



# COMMUNITY WATER AND SANITATION AGENCY (CWSA)

MINISTRY OF SANITATION AND WATER RESOURCES



# 2018

ANNUAL **REPORT**



**MINISTRY OF SANITATION AND  
WATER RESOURCES**

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**COMMUNITY WATER AND  
SANITATION AGENCY (CWSA)**

**A N N U A L  
R E P O R T  
2018**



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# ACRONYMS AND ABBREVIATIONS

3-DWSS	3-Districts Water Supply Scheme
AESS	Asstistant Extention Services Specialist
AF-SRWSP	Additional Financing - Sustainable Rural Water and Sanitation Programme
CESS	Chief Extention Services Specialist
CHPS	Community Health Planning Services
CITS	Chief IT specialist
CLTS	Community Led Total Sanitation
CMB	Cocoa Marketing Board
CROs	Community Relations Officers
CWSA	Community Water and Sanitation Agency
DA	District Assembly
DPC	Disaster-prone Community
DPs	Development Partners
DSDP	Debt Swap Develpement Programme
DWSP	District Water and Sanitation Plan
ECG	Electricity Company of Ghana
EHA	Environmental Health Assistant
EPA	Environmental Protection Agency
ESS	Extension Services Specialist
GAR	Greater Accra Region
GoG	Government of Ghana
GSA	Ghana Standard Authority
GWCL	Ghana Water Company Limited
IDA	International Development Association (of the World Bank)

IGF	Internally Generated Funds
ITS	Information Technology Specialist
KDWSS	Kwaiman-Danfa Water Supply System
KVIP	Kumasi Ventilated Improved Pit
MBFHI	Mother Baby Friendly Health Initiative
MDA	Ministries, Departments and Agencies
MMDA	Metropolitan, Municipality & District Assemblies
MSWR	Ministry of Sanitation and Water Resources
NEDCo	Northern Electricity Distribution Company
NCWSP	National Community Water and Sanitation Program
NCWSF	National Community Water and Sanitation Framework
NCWSPRF	National Community Water and Sanitation Policy Reform Framework
NGO	Non-Governmental Organisation
O&M	Operation and Maintenance
ODF	Open Defecation Free
PURC	Public Utility Regulatory Commission
PWS	Piped Water System
RCC	Regional Coordinating Council
SEC	State Enterprises Commission
SDGs	Sustainable Development Goals
SHEP	School Health Education Programme
SIF	Social Investment Fund
SIP	Strategic Investment Plan
SM	System Manager
SP	Stand Pipe
SRWSP	Sustainable Rural Water and Sanitation Programme
STPS	Small Towns Pipe Scheme

STPWS	Small Town Piped Water Systems
UNICEF	United Nations Children's Fund
USAID	United States Agency for International Development
VIPs	Ventilated Improved Pit Latrines
WASH	Water, Sanitation and Hygiene
WC	Water Closet
WSE	Water and Sanitation Engineer
WSS	Water Safety Specialist
WSIP	Water Supply Improvement Project
WSMS	Water Systems Management Staff
WSMT	Water and Sanitation Management Team

# FOREWORD

The Community Water and Sanitation Agency (CWSA) was established by an Act of Parliament, Act 564 in December 1998 with the mandate to facilitate the provision of safe drinking water and related sanitation services to rural communities and small towns in Ghana. This mandate has been executed for about two decades now. The operations of the Agency is based on effective planning, capacity building and standards setting with the active participation of sector stakeholders.

In 2017, CWSA initiated policy reforms in the WASH sub-sector based on recommendations from stakeholder engagements and available research findings. As part of the reform, CWSA seeks to expand its mandate to include the management of small towns water systems in order to ensure sustainability of the water systems.

The reform as at the end of December 2018 had made some significant strides which include the Agency participating in the management of 89 small towns water systems across the country. Investments are being made on these water systems to bring their performance to optimum operational efficiency. Outstanding electricity bills on water systems are being paid by CWSA and water delivery services are improving in the communities. A total of 624 professionals comprising Engineers, Water Safety Specialists, Community Relations Officers, Accountants and Revenue Officers have been employed and deployed to manage these water systems. Also, 269 auxiliary staff who are mainly community members have been engaged to support the professional staff in managing the water systems.

Although the Agency achieved a lot in the year 2018, it also encountered some challenges which are worth mentioning. Critical amongst them were water safety challenges, high indebtedness of water systems to electricity providers, high non-revenue water and high indebtedness of customers to the water systems. In reaction to these challenges, some mitigation measures were adopted and implementation is ongoing.

I wish to on behalf of the Board of Directors congratulate the management and staff of CWSA and sector stakeholders, particularly the Development Partners for their contributions to the WASH sub-sector over the years. I want to also thank management and staff for the achievements chalked so far in the implementation of the reform program. It is my hope that the partnership and support from the WASH sub-sector players will be sustained to enable the achievement of the SDG 6.

Thank you.

**Mr. Kwesi Eduafo Yankey**  
**(Board Chairman)**

# EXECUTIVE SUMMARY

The operations of the Community Water and Sanitation Agency (CWSA) for the year 2018 was guided by the Agency's Strategic Investment Plan (2018-2019) and the 2018 Performance Contract. The Performance Contract signed with the Government of Ghana (GoG) was facilitated by the State Enterprises Commission (SEC). The achievements of the targets set under the various indicators in the year are outlined below:

## A. FINANCIAL/ECONOMIC INDICATORS

The Agency performed credibly under Financial/Economic indicators. *Targets for Other Incomes, 2% Rural Water Levy and Donor Support* were exceeded by 24.5%, 46.4% and 4.9% respectively. However, *GoG Subsidy* fell short of the target by 58.7%.

## B. EFFICIENCY AND PRODUCTIVITY INDICATORS

### Water

Four (4) out of the thirty-two (32) sub-indicators for water supply recorded 100% or more achievement. These include *Systems Contracted out under Small Town Piped System Construction, Systems contracted out under New Limited Mechanized Systems Constructed, Systems contracted out under Small Towns Piped Systems Rehabilitated and Unsuccessful drilled attempts under New Boreholes Constructed*.

### Sanitation

Two (2) out of a total of six (6) sub-indicators under this category scored above 100% while another two (2) scored above 50%.

### Capacity Building

Capacity building comes in four (4) levels, namely regional, district, community and private sector capacity building activities. The only target set under district capacity building activities was *Districts in Programme* which scored 100% while one (1) out of the six targets under community level capacity building activities (*Water System Management Staff Trained*) scored 100%. Also, two indicators of private sector capacity building activities, namely *Pump Caretakers Trained* and *Area Mechanics Trained* recorded over 50% achievement. However, targets for all six (6) indicators under regional level capacity building activities were not achieved.

## C. DYNAMIC INDICATORS

Out of the seven indicators with dynamic effect, the Agency attained the target for only *Submission of Strategic Investment Plan 2018-2022*.

## D. MANAGEMENT IMPROVEMENT AND PROJECTS

The Agency scored 100% in four (4) out of the eleven (11) indicators under this category. These

include; *Conformance to SEC Quarterly Reporting Format, Submission of 2019 Draft Performance Contract, Commencement of construction of CWSA Upper East Regional Office building, and Award of contract for the design and construction supervision of CWSA Volta Regional office.*

## **E. PROJECTS IMPLEMENTED IN YEAR 2018**

Highlights of these projects are presented below.

- i. **Additional Financing - Sustainable Rural Water and Sanitation Project (AF - SRWSP)**  
This is a two-year project funded by the World Bank at a cost of USD 45.7 million. The project is expected to benefit over 150,000 people and will deliver the following outputs.
  1. Construction of 250 boreholes
  2. Construction / Rehabilitation of 23 Small Town Pipe Water Systems
  3. Drilling of 30 Boreholes for source establishment.
  4. Completion of Designs in high Fluoride Zones in Bongo and Chereponi
- ii. **Water Supply Improvement Project (WSIP) of the Ghana-Spain Debt Swap Development Programme (DSDP) in the Volta Region**

The project will deliver eighteen (18) water systems to supply water to 69,000 people in thirty-five (35) communities, at a cost of USD 3.78 million. The project started in 2017 and was expected to end in December, 2018. The expected outputs are:

1. Construction of 12 fully reticulated small towns pipe systems
2. Construction of 6 Limited Mechanised Systems
3. Procurement of consultants and contractors for the project

Achievements as at end of December, 2018

- Four (4) out of the 18 pipe water systems have been completed and are in use
- The remaining 14 water systems are at various stages of construction and works are currently ongoing

## **III. CWSA Reform Agenda**

In line with the reform, the following activities were carried out in the year under review:

1. Formulated a National Community Water and Sanitation Policy Reform Framework (NCWSPRF) to guide the implementation of the reform programme.
2. Managed 89 piped water systems across the 10 administrative regions of Ghana.
3. Invested on pipe water systems under CWSA management to bring them to optimum operational efficiency.
4. Deployed professionals to manage water systems under CWSA management which has improved water service delivery in the communities.
5. Outstanding electricity bills on the water systems were paid by CWSA.



## 1.0

# INTRODUCTION

This Annual Report marks the twenty-fourth (24<sup>th</sup>) in the series since the introduction of the National Community Water and Sanitation Program (NCWSP) in 1994. The report gives a detailed account of activities undertaken by the Community Water and Sanitation Agency (CWSA) in all the ten regions of Ghana and the Head Office, for the year 2018.

The report encompasses a comparative analysis of achievements against targets in water and sanitation services delivery and capacity building, progress made under the water sub-sector reform programme, collaboration of CWSA with key stakeholders in the sector, and income and expenditure of the Agency.

CWSA has been mandated by an Act of Parliament, (Act 564), 1998, to facilitate the provision of sustainable safe water and related sanitation as well as hygiene promotion services to rural communities and small towns in Ghana. This mandate is executed through effective investment planning, monitoring, capacity building and standards setting with the active participation of sector stakeholders.

## 1.1 MISSION OF CWSA

The Mission of CWSA, spelt out in the 2018-2019 Strategic Investment Plan (SIP), is as follows: “Community Water and Sanitation Agency (CWSA) is committed to the efficient delivery of safe, reliable, affordable and sustainable water, sanitation and hygiene services to all rural communities and small towns in Ghana.”

This mission is expected to be realised by transforming CWSA into a utility service organization, with responsibility for the provision and management of rural water supplies and water-related sanitation and hygiene services.

## 1.2 VISION

The vision of the Agency, revised to reflect the aspirations of the Rural Water Sub-sector Reforms and as contained in the SIP (2018-2019) is as follows:

“Community Water and Sanitation Agency aspires to be the leading Public Sector Water Service Delivery Organisation in Africa.”

For CWSA to attain this vision, its operations will be guided by the following:

1. CWSA as a professional organisation with values, culture and ethics reminiscent of a world class water service delivery organisation.
2. CWSA managing small towns piped systems with creativity and technological innovation using market-based approaches whilst efficiently facilitating, in

- collaboration with the District Assemblies, the delivery of rural water supply and sanitation services;
3. CWSA as a focal point for learning and the translation of this learning into new strategies, practices, tools and standards to enhance sustainability of water and sanitation services;
  4. CWSA as the focal point for providing information, advice and policy guidelines on water and sanitation services.
  5. CWSA establishing clear procedures to maximise the commitment and abilities of its team of professional staff to produce work of a high standard of quality;
  6. CWSA adopting strategies that are responsive to achieving national targets for safe water delivery, sanitation and hygiene promotion.
  7. CWSA mobilising adequate funding from Government of Ghana, donors and communities for WASH programmes and developing the necessary cost recovery mechanisms to ensure sustainability; and
  8. CWSA as an autonomous organisation operating effectively, efficiently and transparently.

### 1.3 OBJECTIVES FOR 2018

The objectives and strategies relevant to the targets for the year were extracted from the SIP (2018-2019). These are:

#### OBJECTIVE 1

*To increase rural water coverage from 62.03% in 2016 to 70% by end of 2019*

This is to contribute towards meeting SDG 6 which aims at ensuring availability and sustainable management of water and sanitation for all by 2030. The Agency aspires to increase national rural water coverage level by about 3%, within the planned period to be able to achieve the target of 65%.

#### OBJECTIVE 2

*To participate in the management of 200 small town water systems nationwide by end of 2019*

It has become evident that to sustain the gains made in the rural water sub-sector, water systems put in place must be operated and managed by professionals in an efficient and effective manner. In line with the reform agenda, CWSA will participate in the management of 200 Small Town Pipe Systems nationwide by end of 2019 to usher the Agency to its new role of becoming a utility organisation.

#### OBJECTIVE 3

*To Re-align the legal and institutional arrangements for WASH services delivery and management in line with the reform agenda*

The vision of transforming CWSA into a utility organisation requires amendments to the legal and institutional arrangements regulating its mandate.

#### OBJECTIVE 4

*To generate revenue for operation, maintenance and expansion of existing systems*

Aspiring to be a utility organisation comes with huge financial burden which government

subvention will not be able to finance. There is therefore the need for the Agency to position its self to be able to generate the required revenue for operation, maintenance and expansion of existing systems.

#### **OBJECTIVE 5**

*To establish sound financial management systems to enhance efficient revenue generation and usage*

The management of the piped systems by CWSA will expand both the quantum of cash flows and financial transactions. This calls for a very stringent financial system to keep the Agencies finances beyond fraud and misuse.

#### **OBJECTIVE 6**

*To improve CWSA's human/institutional capacity and governance*

This objective seeks to enhance skills and strengthen the capacity of staff by giving staff the needed training. The Agency will also review the current organogram to reflect the reform agenda.

#### **OBJECTIVE 7**

*To create a support mechanism for sustained operation and maintenance of point sources*

Point Sources will be managed based on the existing standards and guidelines. The Agency will institute a system where proceeds from the small town pipe schemes will be used to support the management of point sources in the area of water quality, spare parts value chain development, maintenance and repair. Using the circuit rider concept, a number of communities will be clustered under the management of an area mechanic in a service contract. The area mechanic in the cluster will continuously provide technical backstopping, repair and maintenance services to all boreholes within his/her jurisdiction.

#### **OBJECTIVE 8**

*To improve access to sanitation and hygiene services*

This is to contribute to the attainment of the Sustainable Development Goal 6: ensure access to water and sanitation for all. Within the planned period, emphasis will be placed on CLTS as a strategy to achieve Open Defecation Free (ODF) Communities.

#### **OBJECTIVE 9**

*To establish a centre of excellence for research, innovation and training*

Within the plan period, preparatory activities will be carried out towards the construction of a state of the art centre of excellence for research, innovation and training in the Northern Region. The components of the centre will include training, laboratory, research and innovation sections.

The aim is to equip WASH practitioners with knowledge and skills and to explore innovative technologies and ideas to enhance efficiency in WASH services delivery. The centre will be expected to innovate in technologies aimed at reducing water losses, reducing energy cost, minimizing cost of operations and optimizing revenue mobilization.

**OBJECTIVE 10**

*To enhance productivity and general performance through the application of ICT and innovation*

The management of CWSA is adopting technology to enhance performance. This will include incorporation of Intranet into automated staff attendance system, integration of staff management system and installation of smart meters on pipe water systems.

**OBJECTIVE 11**

*To enhance CWSA's corporate image, goodwill and visibility*

This objective is aimed at marketing or promoting CWSA mandate, mission and vision in Ghana and beyond. This will include development of communication strategy, corporate logos and colours, brand manuals and design of a uniform signage for CWSA offices and water systems.

## 2.0

## PERFORMANCE IN YEAR 2018

This section of the report assesses the general performance of CWSA in 2018 in relation to Financial, Efficiency/Productivity and Dynamic Indicators contained in the Agency's 2018 performance contract with the GoG.

### 2.1 FINANCIAL/ECONOMIC INDICATORS

As indicated in table 2.1, three (3) out of the four (4) targets under Financial/Economic indicators were achieved. That is; *Other Income*, *2% Rural Water Levy* and *Donor Support* recorded 324.5%, 146.4% and 104.9% respectively which exceeded target set. However, *GoG Subsidy* fell short of the target by 58.7%. Find details in table 2.1 below:

**Table 2.1: Performance of Financial/Economic Indicators**

Performance Criteria	Unit of Measure	Target	Achievement for 2018	Achievements (%)
<b>FINANCIAL/ECONOMIC</b>				
Other Income	GH¢	1,926,144	6,250,102	324.5
2% Rural Water Levy	GH¢	6,420,480	9,398,741	146.4
GoG Subsidy	GH¢	30,500,000	12,591,232	41.3
Donor Support	GH¢	28,372,140	29,772,291	104.9
<b>TOTAL</b>	GH¢	67,218,764	58,012,366	86.3

### 2.2 EFFICIENCY/ PRODUCTIVITY INDICATORS

The efficiency/productivity indicators cover water and sanitation facilities provided and the related capacity building activities carried out to ensure WASH services delivery. The achievements made by these indicators are shown in table 2.2 below;

**Table 2.2: Performance of Efficiency/Productivity Indicators**

Performance Criteria	Unit Of Measure	2018 Target	Annual Achievement	Achievements (%)
<b>B. Efficiency and Productivity Indicators</b>				
<b>Water Supply Systems</b>				
<b>New Boreholes Constructed</b>				
1. Boreholes sites selected	No.	500	92	18.4
2. Successful boreholes drilled	No.	400	77	19.25

Performance Criteria	Unit Of Measure	2018 Target	Annual Achievement	Achievements (%)
3. Unsuccessful drilled attempts	No.	50	22	227.27 *
4. Successful boreholes with well pads constructed awaiting hand pumps	No.	300	42	14
5. Successful boreholes with hand pumps installed	No.	250	17	6.8
<b>Boreholes Rehabilitated</b>				
1. Boreholes contracted out	No.	0	10	**
2. Rehabilitated boreholes with hand pumps installed	No.	0	10	**
<b>New Small Communities Piped Systems Constructed</b>				
1. Systems with Feasibility studies completed	No.	30	1	3.3
2. Systems with designs completed	No.	25	1	4
3. Systems constructed out	No.	25	0	0
4. Systems Practically completed	No.	20	10	50
<b>Small Towns Piped Systems Constructed</b>				
1. Systems with feasibility studies completed	No.	15	0	0
2. Systems with designs completed	No.	15	0	0
2. Systems contracted out	No.	12	17	141.7
3. Systems practically completed	No.	10	2	20
<b>New Limited Mechanized Systems Constructed</b>				
1. Systems with feasibility studies completed	No.	10	1	10
2. Systems with designs completed	No.	8	0	0
3. Systems contracted out	No.	8	46	575
4. Systems practically completed	No.	5	0	0
<b>Small Towns Piped System Rehabilitated</b>				
1. Systems with feasibility studies completed	No.	7	1	14.3
2. Systems with designs completed	No.	7	0	0
3. System constructed out	No.	7	16	228.6
Sytems practically completed	No.	7	0	0
<b>GWCL Piped Connections Completed</b>				
1. No. of Systems with designs completed	No.	0	9	**
2. Contract sign for pipe connections	No.	5	9	18
3. No. of systems contracted out	No.	5	0	0
4. Pipe connections works ongoing	No.	5	0	0
Pipe connections (communities) completed	No.	5	0	0

Performance Criteria	Unit Of Measure	2018 Target	Annual Achievement	Achievements (%)
<b>Pipe Extensions Completed</b>				
1 Feasibility studies completed	No.	0	2	**
2. Construct sign for pipe connections	No.	0	2	**
3. Pipes connection works ongoing	No.	0	2	**
4. Pipes connections (communities) completed	No.	0	2	**
<b>Sanitation</b>				
CLTS Activities				
<i>Communities to enter</i>	No.	100	121	121
<i>Open defecation free communities</i>	No.	100	86	86
<b>Household Latrines (VIPs) Constructed</b>				
1. Latrines completed	No.	2500	546	21.84
<b>Schools/Institutions Latrines (Installed) Constructed</b>				
1. Latrines contracted out	No.	100	29	29
2. Latrines under construction	No.	100	60	60
3. Latrines completed	No.	100	139	139
<b>Regional Capacity Building Activities</b>				
1. EHAs trained	No.	40	0	0
2. EHAs retrained	No.	50	0	0
3. School Health Communities formed	No.	50	0	0
4. School Health communities trained	No.	8	0	0
5. School Headteachers trained	No.	8	0	0
6. SHEP coordinators trained	No.	8	0	0
<b>District Capacity Building Activities</b>				
1. Districts in Programme	No.	210	210	100
<b>Community Capacity Building Activities</b>				
1. New Communities in National CWS Programme	No.	50	18	36
2. WSMT - in place	No.	80	26	32.5
3. WSMT trained - Point Source				
i. Pre - construction stage	No.	40	12	30
ii. Post - Construction stage	No.	20	0	0
iii. Retrained	No.	20	0	0
4. WSMS (Piped System management)				
i. Water System Management staff trained	No.	1000	1000	100
<b>Private Sector Capacity Building Activities</b>				
1. Pump caretakers trained	No.	40	28	70
2. Latrine Artisans trained	No.	50	0	0
3. Area Mechanics trained	No.	30	16	53.3

\* Unsuccessful borehole drilled – the lesser the achievement/number the better (77.78% Success Rate)

\*\* Indicators without targets which had achievement.

### 2.2.1 WATER FACILITIES DELIVERED

As shown in table 2.2, four (4) out of the 32 sub-indicators for water supply recorded 100% or more achievement. These include; *Systems contracted out under Small Town piped System Construction, Systems contracted out under New Limited Mechanized Systems Constructed, System contracted out under Small Towns Piped System rehabilitated and Unsuccessful drilled attempts under New Boreholes Constructed*. Eleven (11) indicators scored less than 100%, ten (10) made no achievement while seven (7) indicators without targets made some achievements.

### 2.2.2 SANITATION

As indicated in table 2.2, two (2) out of a total of six (6) sub-indicators under this category scored above 100%, two (2) scored above 50%, and two (2) recorded less than 50%.

### 2.2.3 CAPACITY BUILDING

Capacity building comes in four (4) levels, namely regional, district, community and private sector capacity building activities. The performance of the indicators as indicated in table 2.2 is as follows:

The only target set under district capacity building activities was *Districts in Programme* which scored 100% while one (1) out of the six targets under community level capacity building activities (*Water System Management Staff Trained*) scored 100%. Also, two indicators of private sector capacity building activities namely; *Pump Caretakers Trained and Area Mechanics Trained* recorded over 50% achievement. However, targets for all six (6) indicators under regional level capacity building activities were not achieved.

## 2.3 DYNAMIC EFFECTS INDICATORS

As shown in table 2.3, out of the seven indicators with dynamic effect, the Agency attained the target for only *Submission of Strategic Investment Plan 2018-2022*. Targets for the remaining indicators were not achieved.



**Table 2.3: Performance of Dynamic Effects Indicators**

No.	Performance Criteria	Unit of Measure	Annual Target	Achievement
<b>DYNAMIC EFFECTS INDICATORS</b>				
1	Submission of Budgeted Staff Training Programme for 2018	Month	January	February 2018
2	Implementation staff training Programme for 2018	%	100	100%
3	Submission Strategic Investment Plan 2018 - 2022	Month	November	November 2018
4	Submission of 2018 Maintenance Programme	Month	January	March 2018
5	Implementation of 2018 Maintenance Programme	%	100	100%
6	Submission of 2018 Safety Plan	Month	January	March 2018
7	Implementation of 2018 Safety Plan	%	100	100%

## 2.4 MANAGEMENT IMPROVEMENT/PROJECTS

The Agency scored 100% in four (4) out of the eleven (11) indicators under this category. These include *Conformance to SEC Quarterly Reporting Format, Submission of 2019 Draft Performance Contract, Commencement of construction of CWSA Upper East Regional Office building, and Award of contract for the design and construction supervision of CWSA Volta Regional Office.* Find details in table 2.4 below;

**Table 2.4: Performance of Management Improvement/Projects Indicators**

No	Management Improvement/Projects	Unit of Measure	Annual Target	Achievement
1	Submission of Quarterly Reports	Weeks after end of quarter	6	7 weeks
2	Conformance to SEC Quarterly Report Format	No. of items	6	6
3	Submission of 2019 Draft Performance Contract	Month	November	Nov. 2018
4	Submission of 2019 draft budget	Month	August	Nov. 2018
5	Submission of 2017 Audited account	Month	April	June, 2018
6	Submission of 2019 procurement plan	Month	November	March 2019
7	2017 board evaluation Report	Month	January	Nil
8	<b>Projects</b>			
i.	Comencement of construction of CWSA UER Office building	% completion	100	100
ii.	Award of contract for the construction of CWSA VR Office	% completion	100	100
iii.	Participation in the management of 100 pipe systems by CWSA	% completion	100	100

### 2.4.1 ONGOING INTERVENTIONS

The status of key projects implemented by CWSA as at end of December, 2018 are highlighted below.

#### Additional Financing - Sustainable Rural Water and Sanitation Project (AF-SRWSP)

This is a two-year project funded by the World Bank at a cost of USD 45.7 million. The project will benefit over 150,000 people, delivering the following outputs:

1. Construction of 250 boreholes
2. Construction / Rehabilitation of 23 Small Town Pipe Water Systems
3. Drilling of 30 Boreholes for source establishment.
4. Completion of Designs in high Fluoride Zones in Bongo and Chereponi

Achievements as at December ending 2018  
Table 2.5: Key Milestones – Construction of water Facilities

PROJECT NAME	DESCRIPTION		KEY MILESTONE	ORIGINAL COMPLETION	NEW COMPLETION	REASON FOR CHANGE	MITIGATION PLAN	
	Region	Community & Facility						
Additional Financing Sustainable Rural Water and Sanitation Project	Brong Ahafo	Community Pipe water supply construction	Launched bidding	30-Apr -19	No change	N/A	N/A	
		Asiri Pipe water supply	Launched bidding	30-Apr -19	No change	N/A	N/A	
		Jankofa Pipe water supply construction	Launched bidding	30-Apr -19	No change	N/A	N/A	
		Prang Pipe water supply construction	Launched bidding	30-Apr -19	No change	N/A	N/A	
		Dotobaa Pipe water supply construction	Launched bidding	30-Apr -19	No change	N/A	N/A	
		Ajumako Enyan Essiam cluster Pipe water supply construction	Launched bidding	30-Apr -19	No change	N/A	N/A	
	Central	Awutu Senya cluster Pipe water supply construction	Launched bidding	Launched bidding	30-Apr -19	No change	N/A	N/A
		Gomoa West cluster Pipe water supply construction	Launched bidding	Launched bidding	30-Apr -19	No change	N/A	N/A
		Mfantseman cluster Pipe water supply construction	Launched bidding	Launched bidding	30-Apr -19	No change	N/A	N/A
		Assin South cluster Pipe water supply construction	Launched bidding	Launched bidding	30-Apr -19	No change	N/A	N/A
		Assikuma Odoben	Launched bidding	Launched bidding	30-Apr -19	No change	N/A	N/A
		Brakwa cluster Pipe water supply construction	Launched bidding	Launched bidding	30-Apr -19	No change	N/A	N/A

Key Milestones – Construction of water Facilities

PROJECT NAME	DESCRIPTION		KEY MILESTONE	ORIGINAL COMPLETION	NEW COMPLETION	REASON FOR CHANGE	MITIGATION PLAN
	Region	Community & Facility					
Additional Financing Sustainable Rural Water and Sanitation Project	Brong Ahafo	Bronsanko Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Asiri Pipe water supply	Launched bidding	30-Apr-19	No change	N/A	N/A
		Jankofa Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Prang Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Dotobaa Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Ajumako Enyan Essiam cluster Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
	Central	Awutu Senya cluster Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Gomoa West cluster Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Mfantsiman cluster Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Assin South cluster Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A
		Assikuma Odoben Brakwa cluster Pipe water supply construction	Launched bidding	30-Apr-19	No change	N/A	N/A

Key Milestones – Construction of water Facilities

PROJECT NAME	DESCRIPTION		KEY MILESTONE	CONTRACT AMOUNT	AMOUNT PAID (GHS)	REASON FOR CHANGE	AMOUNT LEFT (GHS)
	Region	Community & Facility					
Additional Financing Sustainable Rural Water and Sanitation Project	Brong Ahafo	Construction supervision of 5no pipe water supply systems	Technical evaluation of bid complete	30-May -19	No change	N/A	N/A
	Central	Construction supervision of 8no clusters pipe water supply systems	At contract negotiation	30-May -19	No change	N/A	N/A
	Nothern	Construction supervision of 6no pipe water supply systems	Technical evaluation of bid complete	30-May -19	No change	N/A	N/A
	Upper West	Construction supervision of 2no pipe water supply systems and designs for 10no additional water supply facilities	At contract negotiation	30-May -19	No change	N/A	N/A
	Upper East	Consultancy services for Feasibility studies and designs for the provision of water systems in small towns and rural communities in fluoride prone communities	Technical evaluation of bid complete	30-May -19	No change	N/A	N/A

## Water Supply Improvement Project (WSIP) of the Ghana-Spain Debt Swap Development Programme (DSDP) in the Volta Region

The project will provide 18 water systems for 69,000 people in 35 communities at a cost of USD 3.78million. The project started in 2017 and is expected to end in December, 2018. The expected outputs are:

1. Construction of 12 fully reticulated small towns pipe systems
2. Construction of 6 Limited Mechanised Systems
3. Procurement of consultants and contractors for the project

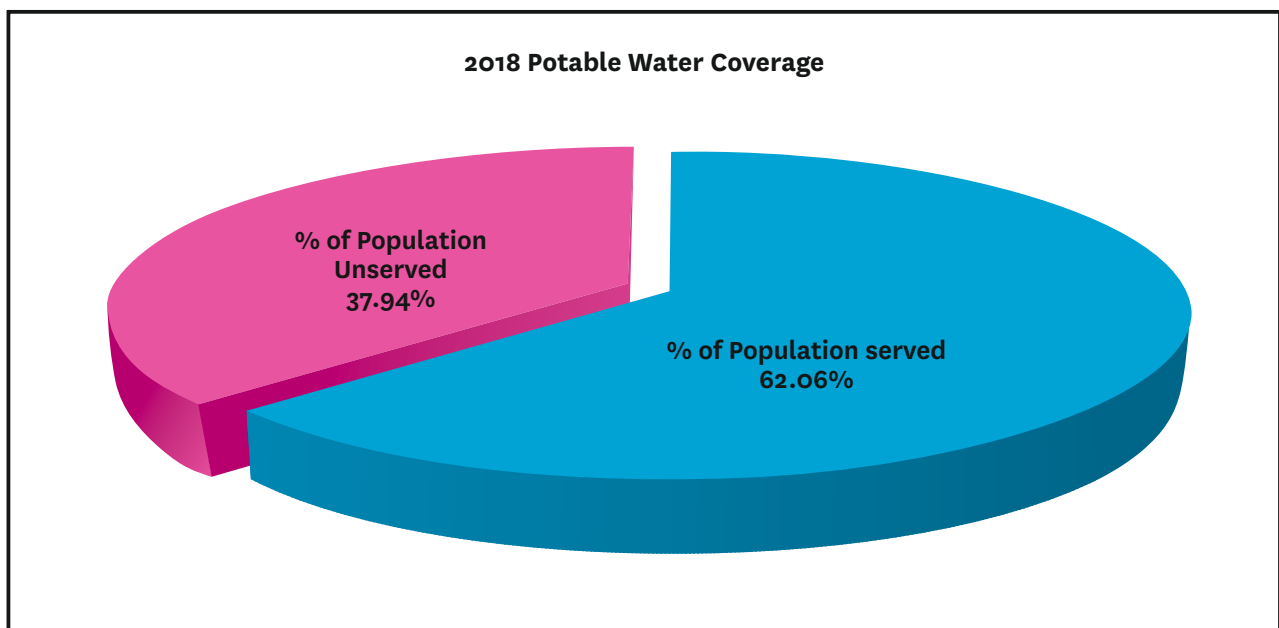
### Achievements as at end of December, 2018

- Four (4) out of the eighteen (18) pipe water systems have been completed and are in use
- The remaining fourteen (14) water systems are at various stages of construction and works are currently ongoing

## 2.5 NATIONAL COVERAGE

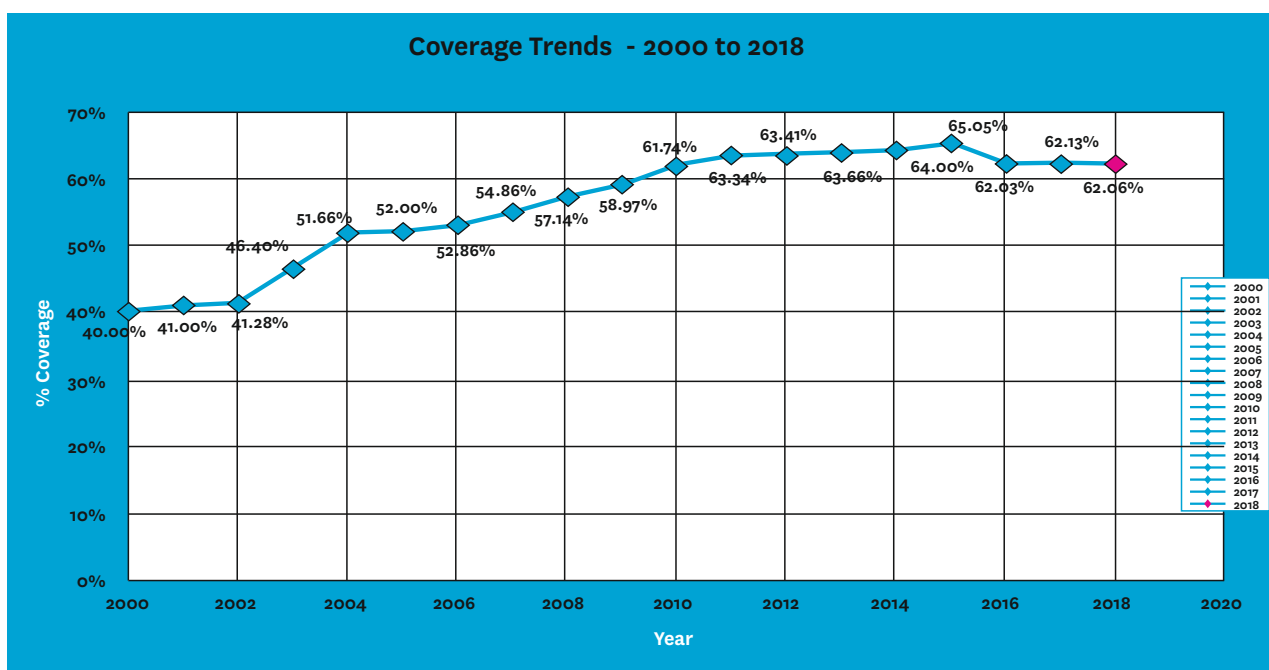
Water coverage for rural communities and small towns experienced a slight decline in the year under review. It decreased from 62.13% in 2017 to 62.06% in 2018, a reduction of 0.07 %. The rural communities and small towns populations served and those un-served are shown in Chart 2.1 below;

**Chart 2.1: Potable Water Coverage for 2018**



The trend in water coverage for rural communities and small towns from 2000 to 2018 is depicted in Chart 2.2 below. From 40% in 2000, national potable water coverage rose steadily to 62.06% in 2018.

Chart 2.2: Trends in Water Coverage



## 2.6 REGIONAL COMPARATIVE COVERAGES

The overall potable water coverage for rural communities and small towns in all the regions, as at the end of 2018 is shown in table 2.6 below;

Table 2.6: 2018 Potable Water Coverage by Regions

Region	No. of Communities	2018 Population	Borehole	Hand Dug well	SCPS	STPS	LMS	RHS	GWCL	Total Population Served	% Coverage
ASHANTI	3,041	4,024,235	5,192	247	-	32	219	3	22	2,343,939	58.25
BRONG AHAFO	3,555	2,389,580	3,416	427	2	59	137	-	-	1,579,679	66.11
CENTRAL	3,597	2,567,949	2,192	457	12	51	8	79	192	1,648,609	64.20
EASTERN	3,331	2,421,610	2,970	1,142	-	35	3	15	-	1,367,095	56.45
GREATER ACCRA	1,104	944,837	521	103	8	7	3	-	53	583,305	61.74
NORTHERN	4,227	2,932,534	4,730	597	2	45	83	-	54	1,787,501	60.95
UPPER EAST	2,193	1,472,879	2,879	512	-	23	17	-	-	970,476	65.89
UPPER WEST	1,152	884,197	2,139	-	2	22	27	-	-	657,570	74.37
VOLTA	3,336	2,311,802	2,566	56	76	60	27	9	175	1,489,317	64.42
WESTERN	1,832	1,818,645	1,868	452	24	47	2	-	-	1,082,764	59.54
<b>TOTAL</b>	<b>27,368</b>	<b>21,768,268</b>	<b>28,473</b>	<b>3,993</b>	<b>126</b>	<b>381</b>	<b>526</b>	<b>106</b>	<b>496</b>	<b>13,510,255</b>	<b>62.06</b>

The Upper West region recorded the highest coverage of 74.35% followed by Brong Ahafo (66.11%), Upper East (65.89%), Volta (64.42%), Central (64.20%), Greater Accra (61.74%), Northern (60.95%), Western (59.54%), and Ashanti (58.25%). The lowest coverage of 56.45% was recorded in the Eastern Region. Details of the regional and district coverages are presented in Appendix 1.

## 2.7 CWSA REFORM ACTIVITIES

In 2017, CWSA, after extensive research and stakeholder engagements found it compelling to initiate reforms in the rural water sub-sector towards sustainable water services delivery and management. The reasons for the reforms are:

1. Continuous cycle of breakdown and rehabilitation with resources that should have been used to provide water systems to 'first time' beneficiaries.
2. Many of the water systems cannot provide uninterrupted service to communities as a result of frequent breakdowns.
3. Water quality of most water systems are not monitored, on a wrong assumption that groundwater which is the most used water source has a constant quality. Even when water quality tests are carried out, its interpretation is difficult for the districts and communities.
4. Non-revenue water or unaccounted for water is very high. Effort is required to reduce this to the desired 10% maximum.
5. The tariffs for rural water keeps increasing across communities, even much higher than those prescribed by the Public Utility Regulatory Commission (PURC), as a result of several unresolved difficulties.
6. There is a water management knowledge gap at the district and community levels. Water provision, operation and maintenance is technical and involves application of complex technology and innovation which requires the use of qualified professionals.
7. Financing for post construction operation and maintenance is inadequate to guarantee regular monitoring, repairs and maintenance of the water systems by district assemblies and CWSA.

The reform seeks to expand the mandate of CWSA to include the management of Piped Water Systems whilst maintaining the role of providing and managing point source water systems. As a result, the Community Management model has been modified from the use of non-professionals to the engagement of water systems management professionals such as engineers and accountants to manage water systems. As part of the reform programme, revenue generated from the piped water supply systems are use to support the operation and management of point water systems as well as sanitation and hygiene promotion.

### **PROGRESS MADE BY CWSA ON THE POLICY REFORMS INITIATED**

Progress made as at December 2018 on the reform include the following:

1. Formulated a National Community Water and Sanitation Policy Reform Framework (NCWSPRF) to guide the implementation of the reform programme.
2. 89 small towns water systems have come under CWSA's direct management across the country.
3. Investments are being made on these water systems to bring their performance to optimum operational efficiency.
4. Outstanding electricity bills on water systems are being paid by CWSA and water delivery services are improving in the communities.



5. A total of 624 professionals made up of Engineers, Water Safety Specialists, Community Relations Officers, Accountants and Revenue Officers have been employed and deployed to manage these water systems. Also, additional 269 auxiliary staff have been engaged at the community level to support the professional staff in managing the water systems.



## 3.0

## PERFORMANCES OF SPECIFIC REGIONAL PROJECTS

This section provides an overview of the performances of the various regions with respect to status of projects, capacity building, personnel issues, financial operations and challenges encountered during the year.

### 3.1 ASHANTI REGION

During the year under review, the Regional Team of CWSA worked towards the provision of safe water and related sanitation and hygiene services.

The region embarked on a rigorous stakeholder consultations and engagement on the CWSA Reforms. This led to the participation in the management of fourteen (14) small town water systems under eight (8) management units. The process has not been without challenges, key among which was resistance from some chiefs and the Water and Sanitation Management Teams (WSMT) of some water systems to hand over the systems. The regional team continue to count on the support received from the RCC and other key stakeholders to enable the Agency carry out the reforms in the Region.

#### 3.1.1 REGIONAL COVERAGE

The rural and small towns water coverage for the Region at the end of the year under review was 58.25% compared with 57.48% in 2017. This implies that, water coverage increased by 0.77% within the period. Details of safe water coverage for the 29 Municipal/District Assemblies (MDAs) in the Region is shown in Appendix 1

#### 3.1.2 PROGRESS OF SPECIFIC REGIONAL WASH PROJECTS

##### Rehabilitation of Seneagya Water System

During the year under review, pumping test and water quality test were done on two (2) existing boreholes. Siting and drilling of an additional borehole was also completed during the third quarter. The final design report was submitted by the Consultant for review and an advert for the rehabilitation and expansion of the system was done in the National Dailies during the fourth quarter of the year.

#### 3.1.3 PROGRESS ON REGION'S REFORM ACTIVITIES

The Region as the end of 2018, participated in the management of fourteen (14) piped water systems. Thirteen (13) of them are old and have lots of issues that must be solved before they can perform optimally. The tables below show the state of each of the water systems as at end of December, 2018.

**Table 3.1: List of systems under CWSA management and their status as at end of December, 2018.**

No.	Water System	Year of completion	Source/condition	Tank/condition	State of pipelines	Water Quality	Outstanding Electricity Bills
1.	Akrokerri	2017	2 boreholes (BH s) All in good condition	2 (100 m <sup>3</sup> and 70 m <sup>3</sup> ) concrete HLTs.	In good condition	No peculiar issues	0
2.	Juaben	2007	5 BHs feeding the system, 1 reserve BH not connected to the system	1 concrete HLT and 2 Steel tanks (GLT,HLT). Rust in steel tanks	Deteriorating	No peculiar issues	17,119.96
3.	Manso Nkwanta	2001	1 BH in deplorable condition	1 45 m <sup>3</sup> tank (Glass reinforced plastic)	Deteriorating	No peculiar issues	18,351.51
4.	Mankranso	2002	3 BH. 2 in good condition	2 concrete HLT (45m <sup>3</sup> and 10m m <sup>3</sup> )	Deteriorating	No peculiar issues	13,000.00
5.	Bompata	2007	2 BHs. All in good condition	1 concrete HLT (70m <sup>3</sup> )	Deteriorating	Water quality tests have not been done since June 2018	2,136.65
6.	Atwedie	2007	2 BHs. All in good condition	1 concrete HLT (70m <sup>3</sup> )	Deteriorating	Water quality tests have not been done since 2015	0
7.	Damong	2011	3 BH in good condition	1 concrete HLT (100m <sup>3</sup> ). Not in good condition (leakage)	Deteriorating	Water quality tests have not been done since 2017	2,442.51
8.	Onwe	2007	4 BHs In good condition	1 concrete HLT (100m <sup>3</sup> )	Deteriorating	Not been done since 2007	No records
9.	Kwaso	2007	2 BHs. Both in good condition	1No. concrete HLT (100m <sup>3</sup> )	Destroyed distribution lines due to road construction (about 50%)	Not been done since 2012	26,141.83

No.	Water System	Year of completion	Source/condition	Tank/condition	State of pipelines	Water Quality	Outstanding Electricity Bills
10.	Kokofu	2002	1 BH in good condition and 1 BH capped	1 concrete HLT (60m <sup>3</sup> ). Not in good condition (leakage)	Deteriorating	High Iron content	7,507.67
11.	Adugyama	1999	4No. BHs. 3No. in good condition	1 concrete HLT (35m <sup>3</sup> ). 1 Polytank (3.7m <sup>3</sup> ).	Deteriorating	Not been done since 2017	5,500.00
12.	Sabronum	1999	2 BHs. 1 in good condition	1 concrete HLT (45m <sup>3</sup> ).	Deteriorating	Not been done since 2015	2,500.00
13.	Manso Atwere		2 BHs	1 Ground Level Tank (GLT )			
14.	Abodom		1 BH	1 GLT			

### 3.1.4 HUMAN RESOURCE MANAGEMENT

#### Personnel

#### Staff Strength at the Regional Level

The region has a staff strength of sixteen (16) which is shown in table 3.2 below;

**Table 3.2: Regional staff and their positions.**

No.	Name	Designation
1.	Ing. Francis Kwasi Enu	Regional Director
2.	Kwaku Osafo Affum	Principal Hydrogeologist
3.	Ms Patricia Gyamfi	Principal Information Technology Specialist
4.	Jennifer Quagraine	Senior Administrative Manager
5.	Ing. Edward Kofi Ackom	Principal Water and Sanitation Engineer
6.	Ernest Mawunyo Kwami Agudetse	Senior Extension Services Specialist
7.	Stephen Nyarko	Accountant
8.	Gloria Foriwaa	Assistant Accountant
9.	Saadatu Sapio (Mrs)	Private Secretary
10.	Leticia Osa Adum	Water and Sanitation Engineer
11.	Deborah Lartey	Extension Services Specialist
12.	Nicholas Appiah	Transport Management Assistant
13.	John Nkrumah	Senior Driver
14.	George Appiah	Guest House Keeper
15.	Emmanuel Akwagyiram	Security Guard
16.	Kwabena Adu-Gyamfi	Security Guard

Table 3.3: System Level Staff Strength Under the Various Occupational Groups

Community	System Manager		Community Relations Officer		Accounts Officer		Revenue Officer		Engineer		Technician		Auxiliary	Total Staff at post	Vacancy
	No. depl-oyed	At post	No. depl-oyed	At post	No. depl-oyed	At post	No. depl-oyed	At post	No. depl-oyed	At post	No. depl-oyed	At post			
Akrokerrri	1	1	1	0	1	1	4	4	1	1	0	0	5	12	1
Juaben	1	1	1	1	1	1	4	3	0	0	1	1	6	13	1
Manso Nkwanta/ Atwere	1	1	1	1	1	1	2	0	1	1	0	0	4	8	2
Water Safety Specialist														1	
Atwedie/ Bompata/ Dampong	1	1	1	1	1	1	3	3	0	0	1	1		7	
Onwe/ Kwaso	1	1	1	1	1	1	2	2	0	0	1	1		6	
Kokofu Abodom	1	1	1	1	1	1	3	2	0	0	1	0		6	
Mankranso	1	0	1	1	1	1	2	2	0	0	1	0		6	1
Adugyama / Sabronum	1	1	1	1	1	1	2	2	0	0	1	1		6	
<b>Total</b>		<b>7</b>		<b>7</b>		<b>8</b>		<b>18</b>		<b>2</b>		<b>4</b>	<b>15</b>	<b>65</b>	<b>5</b>

### 3.1.5 FINANCE

At the Regional Level, a total of Gh¢99,153.89 was received from CWSA Head Office during the year. Total Expenditure for the period was Gh¢62,477.22. Find details in table 3.5 below;

Table 3.4: Regional Budget, Releases and Expenditure

S/No.	Performance Criteria	Budget 2018 (Gh¢)	Releases (Gh¢)	Expenditure (Gh¢)	Variance (Gh¢)	Reasons
1	Investment					
2	Goods & Services	120,000.00	99,153.89	62,477.22	57,522.78	
3	Personnel Emoluments	334,934.00	334,934.00	334,934.00		
	<b>Total (Gh¢)</b>	<b>454,934.00</b>	<b>434,087.89</b>	<b>397,411.22</b>	<b>57,522.78</b>	

Total income from thirteen (13) out of the fourteen (14) water systems that were managed during the year amounted to Gh¢304,678.54. An amount of Gh¢285,300.00 was transferred to the Head Office. Operational expenditure during the period was Gh¢120,471.99 and salaries for water system staff was Gh¢116,131.65.

### 3.1.6 REGIONAL CHALLENGES

The activities of the region in the year under review came with some challenges. Below are some of the key challenges encountered.

1. Resistance of some Chiefs and opinion leaders to hand over the management of Small Town Piped Water Systems (STPWS) in their towns to CWSA.
2. Almost all the water systems that are currently under CWSA management have exceeded their designed life span and hence require major interventions like rehabilitation and expansion.
3. Juaso Water system has been taken over by the previous chief through a default court judgement due to non appearance by the District Assemble (DA).
4. Huge outstanding electricity debts on the pipe water systems currently being managed by CWSA incurred by the former Management Teams of the water systems.
5. The region currently has an unserved rural population of about 42% which translate to about 1.8 million people due to the absence of investments in the provision of safe water in the last nine (9) years.
6. Some MDAs not cooperating with CWSA to keep and manage a credible database on water facilities in the Region.

### 3.1.7 MITIGATION MEASURES

Giving the challenges encountered, the region has made proposals and has also taken steps to mitigate the challenges. Below are some proposed mitigation;

1. Meeting of CWSA Board of Directors with Otumfuo on the issue of resistance from some Chiefs
2. Rehabilitation of small town water systems in the Region.
3. CWSA to assist the Asante Akim Municipal Assembly to seek a reversal of the court ruling on the Juaso small town system.
4. CWSA Head Office to send funds to clear outstanding electricity bills of the STPWS.
5. RCC to summon all MDAs to give the required attention to issues concerning safe water in their jurisdictions.

### 3.2 BRONG AHAFO REGION

The Region in the year 2018 started the implementation of the Additional Financing-Sustainable Rural Water and Sanitation Project (AF-SRWSP), funded by the International Development Agency (IDA) of the World Bank. Also, the participation of CWSA in the management of STPWS under the Reforms commenced in March 2018 and Mim Water System was earmarked for rehabilitation.

#### 3.2.1 REGIONAL WATER COVERAGE

The rural and small town water coverage in the region as at end of December 2018 was estimated at 66.11% compared with coverage of 66.31% in 2017. This shows a decrease in the coverage by 0.2%.

#### 3.2.2 PROGRESS OF SPECIFIC REGIONAL WASH PROJECTS

Additional Financing - Sustainable Rural Water and Sanitation Project. (AF-SRWSP)

Table 3.5: Status of Projects in the Region as at end of December, 2018.

Project Name(s)/ Funding Source/ Duration	Amount received or transferred through the region to date	Overall Project Target for the Region	Cumulative Achievement (Since Project Inception to end of year)	2018 Annual Target	2018 Annual Achievement	Remarks/ Challenges	
<b>Project Name:</b> Additional Funding - Sustainable Rural Water and Sanitation Project (AF - SRWSP)  <b>Funded by:</b> International Development Association of the World Bank, (IDA)  <b>Duration:</b> 2018 – 2019		<b>1.0 WATER SUPPLY</b>					
		5 Small Town Piped Water Systems constructed	District and Community engagement on the continuous implementation of the project completed Contracts awarded for Construction Supervision of Small Town Water Supply Systems Civil Works contract awarded to 3no. Contractors and introduced to sites Procurement of Electro-Mechanical Contractors (3Lots) Concurrent approval by the Regional Tender Board/Regional Tender Review Board received in December 2018.	1	1		
				5	5	-	
<b>2.0 SANITATION AND HYGIENE PROMOTION</b>							
		113 Communities triggered for ODF	Inception meeting at regional level held June 2018 Field Facilitators Orientation completed in June 2018 Verification of Communities completed in July, 2018 Pre-triggering and triggering activities completed in 113 communities.	113	122	108% achieved	



Project Name(s)/ Funding Source/ Duration	Amount received or transferred through the region to date	Overall Project Target for the Region	Cumulative Achievement (Since Project Inception to end of year)	2018 Annual Target	2018 Annual Achievement	Remarks/ Challenges
		3,350 Household latrines constructed	Digging of household Latrine pits	3,550	2,483	70% achieved
			Installation of Prefabricated Digni Loos Toilet Facility	3,550	2,483	70% achieved
			Construction of household latrines in 61 communities	1,782	562	32% achieved
		94 ODF Communities declared	Open Defecation Free ODF Communities	50	0	0%
		<b>CAPACITY BUILDING</b>				
			Training for Consultants, Regional and District Safeguard Teams completed Training of Contractors on Safeguards completed			
		<b>ENVIRONMENTAL AND SOCIAL SAFEGUARDS</b>				
			Regional, District and Community Level safeguard Teams formed and orientated Key Stakeholder (EPA, Land Valuation Division and Water Resources commission) Engagements conducted Public Hearing in all beneficiary communities was conducted			

### 3.2.3 CWSA REFORMS ACTIVITIES

Stakeholder consultation for CWSA participation in the management of small town water system was concluded in February 2018. The total volume of water produced within the period was estimated at 86,152.00m<sup>3</sup> out of which 83,559.20m<sup>3</sup> was estimated as consumed. The total expected revenue within the period was estimated at GHS402,597.12 out of which GHC301,713.95 was received as total income for the period representing 75%.

### 3.2.4 HUMAN RESOURCE MANAGEMENT

#### Administration

The Management of Brong Ahafo Regional Office held Monthly and Quarterly meetings with both Regional and Water Management System staff to discuss progress of activities, challenges and planned field activities to support operations at the community level and district levels.

#### Personnel

The staff strength of CWSA Regional Office is fourteen (14) and all were at post. They monitored and provided various inputs into all project activities at various levels.

**Table 3.6: Regional Staff and their Designation**

No.	NAME OF STAFF	DESIGNATION	STATUS
1	Alhaji-Ing. Ahmed Ewura	Regional Director	At post
2	Mr. Daniel Boateng Amankwah	Chief Hydrogeologist	At post
3	Mr. Yaw Afriyie	Senior Accountant	At post
4	Mr. Divine Kwaku Adjei	Accountant	At post
5	Mr. Frank Elias Kwami Tsidzi	Snr. Information Tech. Specialist	At post
6	Mr. George N.N. Amartei	Snr. Extension Services Specialist	At post
7	Mrs. Mabel Ama Taylor	Snr. Extension Services Specialist	At post
8	Ms. Susan Kafui Ahiable	Snr. Administrative Manager	At post
9	Mr. Mawuli Bobobee	Water and Sanitation Engineer	At post
10	Mr. James Dogoli	Hydrogeologist	At post
11	Mr. Charles OforuTwum	Transport Management Assistant	At post
12	Mr. Thomas Boateng	Senior Driver	At post
13	Mr. Mohammed Issaku	Senior Security Guard	At post
14	Mr. Edward Appiah Boampong	Security Guard	At post

The Brong Ahafo Regional Office has 29 Water System Management Staff and 30 Auxiliary staff in 7 communities; Akuma-Brahoho, Krobo, New Longoro, Mim, Nkrankwanta, Kwame Danso and Wenchi.

The following positions are vacant in the following Communities; one (1) Water System Manager and one (1) Accounts Officer for Nkrankwanta, one (1) Accounts Officer for Akuma-Brahoho, one (1) System Manager, one (1) Accounts Officer and one (1) Community Relations Officer for Kwame Danso.

### 3.2.5 FINANCE

The budget for the year 2018 amounted to Nine Million, Nine Hundred and Sixty-Four Thousand, Three Hundred and Seventy-Eight Ghana Cedis, Ninety-Six Ghana Pesewas (GHC9,964,378.96).

However, the total expenditure for the year amounted to One Million, Four Hundred Fifty-Three Thousand, Five Hundred and Thirty-Seven Ghana Cedis, Three Ghana Pesewas (GHC1,453,537.03) representing 14.58%.

The total receipts from Head Office for the year amounted to One Million, Two Hundred and Ninety Thousand, Seven hundred and Seventy-One Ghana Cedis, Sixty-Five Ghana Pesewas (GHC1,290,771.65) as detailed below:

**Table 3.7: Regional Budget, Releases and Expenditure**

S/N	PROJECT	AMOUNT (GHC)				
		Q1	Q2	Q3	Q4	TOTAL
1	GoG (Admin)	30,000.00	56,302.64	84,118.43	178,748.84	349,169.91
2	GoG (Reforms)	30,000.00	58,737.00	76,237.00	150,805.32	315,779.32
	<b>Sub-Total</b>	<b>60,000.00</b>	<b>115,039.64</b>	<b>160,355.43</b>	<b>329,554.16</b>	<b>664,949.23</b>
3	AF -SRWSP	30,000.00	439,421.55	40,948.20	115,452.67	625,822.42
	<b>TOTAL</b>	<b>90,000.00</b>	<b>554,461.19</b>	<b>201,303.63</b>	<b>445,006.83</b>	<b>1,290,771.65</b>

### 3.2.6 REGIONAL CHALLENGES

The region in the year under review was faced with some challenges. Key among them are as follows;

1. Inability to complete rehabilitation works on the Mim Small Town Piped Water System.
2. Inadequate water sources especially in Kwame Danso resulting in continuous pumping and rationing of water in sections of the towns
3. Presence of high concentration of iron and manganese in some water systems
4. Relatively Low Revenue mobilization in Akuma-Brahoho as a result of unwillingness of the community to pay realistic tariff which is compounded by competition with private water vendors in the community
5. High power consumption in Wenchi which requires thorough assessment to identify the problem for rectification.
6. Delay in commencement of construction due to delays in completion of environmental and Social Safeguards activities under the AF-SRWSP.
7. Non of the communities targeted for ODF was able to achieve the ODF status.

### 3.2.7 MITIGATION MEASURES

The following mitigation measures were adopted;

1. Procured and supplied pumps and pipes to commence production.
2. Assessed and redeveloped boreholes that served as water sources.
3. Installed iron removal plants on affected Piped Water Systems.
4. Negotiated to convert existing boreholes with hand pumps to CWSA management as a way of creating demand for Piped Water Systems.
5. Intensified customer education and community relations activities to get people pay for their water bills.
6. Developed new work plans which were adopted by contractors to ensure that time lines are met under the AF-SRWSP.
7. Followed up on the delivery of Digni-Loo Toilet facilities and intensified monitoring

### 3.3 CENTRAL REGION

The year under review saw mainly the implementation of activities of the CWSA's Water Systems Management Reforms as well as the AF-IDA-SRWSP, UNICEF/GoG WASH Project, Rotary/USAID WASH Project and the Social Investment Fund (Integrated Rural Development Project) WASH Project (SIF-IRDP).

Under the CWSA's Water Systems Management Reforms, the Region increased the number of water systems under its management from five (5) to thirteen (13) during the year under review.

#### 3.3.1 REGIONAL COVERAGE

As at the end of the year, the Regional water coverage for rural communities and small town was estimated to be 64.20%. compared to the 2017 coverage of 64.42%. This implies that, water coverage decrease by 0.22%.

#### 3.3.2 PROGRESS OF SPECIFIC REGIONAL WASH PROJECTS

The year under review saw intensive monitoring of the management of the thirteen (13) small towns piped water systems being managed under the CWSA Reforms. Table 3.8 summarizes the activities performed during the year under review.

**Table 3.8: Status of Projects in the Region as at end of December, 2018**

Project Name(s)/ Funding Source/ Duration	Amount Received/ Transferred through the Region to date	Overall Project Target	Cumulative Achievement (Since Project inception)	Remarks/ Challenges
IDA -AF - SRWSP		9 Small Towns Piped Water System based on GWCL connection	<ul style="list-style-type: none"> <li>9 Feasibility Study Completed</li> <li>Design of water system completed</li> </ul>	Contracts awarded and signed.
		<ul style="list-style-type: none"> <li>3,330 Household Latrines</li> <li>90 ODF communities</li> </ul>		Communities have been triggered.

Project Name(s)/ Funding Source/ Duration	Amount Received/ Transferred through the Region to date	Overall Project Target	Cumulative Achievement (Since Project inception)	Remarks/ Challenges
UNICEF/ GoG School WASH Project		81 Boreholes with Handpumps	<ul style="list-style-type: none"> <li>• 72 Successful Boreholes drilled</li> <li>• 21 Mcwafee plants constructed</li> <li>• 62 Successful Boreholes with hand pumps installed</li> <li>• 10 Boreholes rehabilitated</li> </ul>	
Global Communities (USAID WASH for Health Project)			<ul style="list-style-type: none"> <li>• 47 Successful boreholes with hand pumps installed</li> <li>• 40 Institutional KVIPs constructed</li> </ul>	
Social Investment Fund (Integrated Rural Development Project)		10 Boreholes	7 boreholes mechanized with submersible pumps	
Rotary International/ USAID		<ul style="list-style-type: none"> <li>• Eight (8) Boreholes</li> <li>• 13 KVIP Latrines</li> </ul>	<ul style="list-style-type: none"> <li>• 6 successful Bhs with hand pump installed</li> <li>• 13 KVIP Latrines</li> </ul>	1 BH to be mechanised

### 3.3.3. CWSA REFORMS

During the year under review, eight (8) additional water systems were added to the five (5) water systems under the management of the Agency. They are:

1. Assin Manso
2. Assin Breku in Assin North District
3. Assin Praso in Assin North District
4. A beadze Dominase in Mfantseman Municipality
5. Asuasi / Nyamedom in Abura Asebu Kwamankese District

6. Diaso in Upper Denkyira West District
7. Dominase / Abora / Breman in Upper Denkyira West District
8. Ntom / Bethlehem in Upper Denkyira West District

This brings the number of water systems under CWSA management in the Region to thirteen (13). The Region also reached an agreement with the Chiefs and the people of Asamankese /Achiase and Enyinabrim to take over the management of the water systems in January, 2019. It is expected that the Enyinabrim and Ndansimaim water system would be combined under one Management Team. Water Systems Management Staff (WSMS) have since been oriented, introduced and deployed to their various water systems. As at the end of the December 2018, sixty-seven (67) water systems management staff had been employed in the Region.

### 3.3.4 FINANCE

Table 3.9: Regional Budget, Releases and Expenditure

Performance Criteria	Unit of Measure	2018 Target/ Budget	ACHIEVEMENT IN QUARTERS								2018 Cumulative Expenditure (end of reporting quarter /year)	Reasons for Variations between targets and achievements/ other useful remarks	
			QTR 1		QTR 2		QTR 3		QTR 4				
<b>A.</b>													
<b>Financial/Economic Indicators (2018)</b>													
<b>1. INCOME</b>													
<b>Donor Inflows</b>													
IDA -AF -SRWSP	GH¢				414,516.00			154,191.00			142,161.00	780,385.00	
UNICEF	GH¢			7,810.00	460,80.00			296,389.00			219,087.00	523,286.00	
Rotary International	GH¢			-	7,819.00			8,418.00			29,857.00	46,094.00	
SIF				-	-			-			-	-	
<b>GoG Inflows</b>													
1. GoG	GH¢			59,006.00	60,761.00			113,400.00			238,627.00	471,794.00	
2. CWSA Mgt. Reforms	GH¢			124,590.00	203,940.00			204,674.00			334,019.00	867,223.00	
<b>Total Income</b>				<b>260,923.00</b>	<b>733,116.00</b>			<b>777,077.00</b>			<b>963,751.00</b>	<b>2,734,867.00</b>	
<b>CWSA Reforms inflow from head office</b>				<b>125,400</b>	<b>90,000.00</b>			<b>90,000</b>			<b>338,882.00</b>	<b>644,220.00</b>	
<b>2. EXPENDITURE</b>													
<b>a. Administration</b>													
a. Administration	GH¢			99,225.00	137,409.00			125,295.00			217,565.00	579,494.00	
<b>b. Personnel Emolument</b>													
b. Personnel Emolument	GH¢			80,679.00	81,128.00			814,65.00			81,530.00	243,337.00	
<b>c. Service</b>													
IDA -AF -SRWSP	GH¢			-	94,792.00			136,149.00			155,354.00	386,295.00	
UNICEF	GH¢			60,055.00	191,789.00			5,045.00			9,766.00	266,655.00	
Rotary International	GH¢			-	747.00			15,637.00			8,818.00	25,202.00	
SIF	GH¢			-	-			-			-	-	
<b>CWSA Mgt. Reforms</b>													
c. Investment	GH¢			121,295.00	118,582.00			122,942.00			259,761.00	622,580.00	
<b>UNICEF</b>													
UNICEF	GH¢			292,223.00	110,652.00			251,128.00			100,006.00	754,009.00	
GOG	GH¢			-	10,245.00			13,856.00			-	24,101.00	
<b>Total Expenditure</b>				<b>653,477.00</b>	<b>745,344.00</b>			<b>751,517.00</b>			<b>832,800.00</b>	<b>2,983,138.00</b>	

\*\*\* Please note that all highlighted figures are revised targets

### 3.3.5 HUMAN RESOURCES MANAGEMENT

#### MANAGEMENT

Management continued with its regular interactions with staff on technical, extension, Management Information System (MIS), finance and administrative issues which ensured effective planning in carrying out activities within the year. Regular meetings were held between management and staff to discuss progress on various project activities, challenges and the way forward. The Regional Office monitored the activities of contractors and consultants working on the various projects with the WASH units in the various beneficiary MMDAs. Works are in progress in the various beneficiary communities.

#### PERSONNEL

Table 3.10: Current staff strength in the Region

No.	Name	Designation
1	Kwesi Brown	Regional Director
2	Henry Franklin Asangbah	Chief Water and Sanitation Engineer
3	Pauline Abrafi Oppong	Chief Extension Services Specialist
4	Gustav Meritt Osiakwan	Chief Hydrogeologist
5	Daniel Adomako	Chief Accountant
6	Richard Foli Atiogbe	Principal Water and Sanitation Engineer
7	Bismark Antwi	Senior IT specialist
8	Enock Binaa	Assistant Accountant
9	Roland Seidu Anonye	Administrative Manager
10	Linda Dedoo	Extension Services Specialist
11	Ernestina Ohenewaa	Extension Services Specialist
12	Priscilla Ampiaaw	Secretary
13	Brister Asamoah	Transport Manager Assistant
14	Peter Ockom	Driver
15	Isaac Hadzie	Driver
16.	Emmanuel Bansah	Security
17.	Annoiting Lucien Taylor	Security
18.	Kofi Dodoo	Security
19.	Daniel Appiah-Kubi	Security

Table 3.11: Support Staff and Service Personnel

OTHERS	NUMBER	STATUS
Cleaner	1	Present
National Service Personnel	4	Present
TOTAL	5	Present



### 3.3.6 CAPACITY BUILDING OF REGIONAL CWSA STAFF

Though there were no capacity building activities for the Regional staff, on-the-job training programmes were organized for the Water System management staff.

### 3.3.7 REGIONAL CHALLENGES

The major challenges that confronted the region within the period under review are as follows:

1. Breakdown of key system components (e.g. Pumps, Aqualite) of some Small Town Piped Water System.
2. Some of the Piped Water System are confronted with huge electricity bills left behind by the previous management (WSMT).
3. Frequent Water leakages from burst pipes and valves contributing to high Non Revenue Water.
4. Delay in quarterly funds transferred for operations.
5. Irregular electricity supply to all Small Town Piped Systems under the Reforms.
6. Poor groundwater quality, particularly in communities along the coastal belt.
7. Inadequate office space for Assin Foso, Assin Bereku and Twifo Hemang Small Town Water System.
8. Inadequate vehicles and motor bikes for both Regional and system levels to enhance effective and continues monitoring.
9. Point sources (boreholes) are still being managed by the communities with a lot of maintenance and repair issues.
10. Unavailability of resources for rehabilitation and expansion to serve unserved population.

### 3.3.8 MITIGATION MEASURES

The following mitigation measures were adopted;

1. The region identified Water Systems with key components broken down and initiated steps to replace these components.
2. The pumping regime for water production is structured to reduce electricity consumption and solar energy is being explored as an option.
3. The region put in place information systems to receive information on leakages and respond to them.
4. The region collaborated with GWCL and other stakeholders to serve communities along the salinity belt.
5. The region rehabilitated existing offices and constructed new offices to create office space.
6. Dialogue with traditional/opinion leaders was intensified to give the needed support to WSMTs to manage point sources in a sustainable manner.
9. The region requested for funds from the Head Office to rehabilitate and expand existing Piped Water System.

### **3.4 EASTERN REGION**

The region during the year under review facilitated the provision of water and sanitation facilities and services, hygiene promotion and capacity building in the region. The region also dealt with issues related to human resource management. The operations of the region was faced with some challenges that notwithstanding, some achievements were made. On the reforms, the Region continued further engagement with key stakeholders including the RCC, MDAs and some communities to build consensus in the management of the Water Systems.

Six (6) new Municipal and District Assemblies were created in the Region to increase the Administrative Municipalities/Districts from twenty-six (26) to thirty-two (32). These are made up of Eleven (11) Municipals and Twenty One (21) District Assemblies.

#### **3.4.1 REGIONAL COVERAGE**

The regional water coverage at the end of the year stood at 56.45% compared to that of 2017 which stood at 56.88%. Comparing the two, it show that there is a decrease in coverage by 0.43%.

### 3.4.2 PROGRESS OF SPECIFIC PROJECT

#### Progress of Specific Regional WASH Project

#### Water

Table 3.12: Water - Status of Projects in the Region for the year 2018

Project Name(s)/ Funding Source/ Duration	Amount received or transferred through the region to date	Overall Project Target	Cumulative Achievement (Since Project inception)	Reporting Quarter Target	Reporting Quarter Achievement	Remarks/ Challenges
CWSA -SIF WASH Project Funding Source: GoG	N/A	To provide 17 mech. boreholes to 17 No Educational and Health facilities in 3 Districts of the Eastern Region	17 sites selected with report 14 BHs drilled	0	0	8 Total Mechanized 1 with technical challenges due to trenching through rock. 2 BHs have Fe/Mn challenges 1 BH reserved for hydro fracture. 3 BHs outstanding to be drilled and 1 poorly constructed BH to be replaced
Plan Int. Ghana iWASH	N/A	To drill 3 BHs, mechanized 2 and install hand pump of on 1	Siting completed for 3 BHs 2 BHs drilled	0	2Hps installed on BHs at Okorase and Mangoase Mechanized BH at Addo Nkwanta	A total of 4 BHs with HPs were obtained 2MwCafe Plants constructed 2BHs hydro fractured Completed and handed over a limited mechanized system at Addo Nkwanta
RI/USAID	N/A	To construct 13 BHs with 2 to be mechanised	Siting completed for 13 BHs	14 BHs drilled with 12 successful and 1 for hydro fracture	0	10 BHs awaiting Pad construction 1 B H awaiting Hydro fracture and Pad construction 2 BHs awaiting mechanization

Sanitation and Capacity Building  
**Table 3.13: Sanitation - Status of Project in the Region for year 2018**

Project Name(s)/ Funding Source/ Duration	Amount received or transferred through the region to date	Overall Project Target	Cumulative Achievement (Since Project inception)	Reporting Quarter Target	Reporting Quarter Achievement	Remarks/ Challenges
Adaswase Sanitation Projects <b>Funding Source:</b> EPF <b>Duration:</b> 2 years	N/A	CLTS Triggering 200 household latrines	CLTS (ODF) basic achieved 94 household latrines constructed	0	0	6 household latrines outstanding.
RI/USAID WASH Project <b>Funding Source:</b> RI/USAID <b>Duration:</b> 2 years	N/A	Construction of 21 KVIP latrines in 10 selected basic schools in Ayensuano and Kwaebibirem Districts	21 KVIP latrines completed	3 latrines within defects liability period.	All latrines completed	Final inspection and handing over of 3 latrines outstanding
Plan International Ghana-CWSA/ER Collaboration <b>Funding Source:</b> Plan Int. Ghana	N/A	Refresher Training for 3 communities in Akuapem North Municipalities	WSMT Retrained in use of limited water mechanized system	-	-	Capacity building completed
RI/USAID WASH PROJECT	N/A	Form and train 13 WSMTs in Ayensuano and Kwaebibirem	WSMTs formed in 12 communities in Ayensuano and Kwaebibirem. 1 SMC formed in Kade Presby school 8 WSMT trained in the two Districts.	-	-	Continue with WSMT Training 1 in 5 communities and starts WSMT Training 2.

### 3.4.3 HUMAN RESOURCES MANAGEMENT

#### Current Staff Strength

The Regional staff strength stands at 24 made up of 11 Senior Staff, 6 Support Staff, 3 Temporary Staff and 5 National Service Personnel. The Region however lost Chief Engineer William Oware Nyarko in November, 2018.

The Transport Management Assistant, Albert Anthony Annan went on compulsory retirement on 11<sup>th</sup> November, 2018. However, he was given a one month contract which expired on 28<sup>th</sup> December, 2018.

Table 3.14: Current Staff Strength in the Region

No.	Name of Staff	Designation
1	Henry Ampah Johnson	Regional Director
2	George Poku -Agyeman	Principal ESS
3	Joseph Clifford -Wirrom	Senior Hydrogeologist
4	Annie Amenuve	Senior Administrative Manager
5	Yoni Atilego	IT Specialist
6	Sophia M. Asiedu	Extension Services Specialist
7	Kelvin Kyei Baffour	Accountant
8	Kweku Ansah Snr.	Water & Sanitation Engineer
9	Roseline Siabi	Assistant Accountant
10	Regina Adom Ampadu	Private Secretary
11	Albert Anthony Annan	TMA
12	Michael Ezudor	Senior Driver
13	Felix Nyamasekpor	Driver
14	Seth Mboanye Yin	Security Guard
15	Maxwell Amoako	Security Guard
16	Gershon Quaicoo Johnson	Security Guard
17	Stephen K. Amofo	Gardener (Temporary staff)
18	Joyce Ataa Duodu	Office Assistant (Temporary staff)
19	Kwadwo Yeboah	Charman (Temporary staff)
20	Esther Appenahier	National Service Person-CWSA -ER
21	Monica Kenterah	National Service Person-CWSA -ER
22	Emmanuel Asiedu	National Service Person -Asiakwa
23	Edem Agbemafo	National Service Person -Akroso
24	Prince Kojo Kafui Tawah	National Service Person -Akim -Sekyere

### 3.4.4 RELEVANT PERSONNEL ISSUES

#### **Transfers**

The IT Specialist, Samuel Nakotey Hervie was transferred to the Greater Accra Region in May 2018.

#### **Recruitment**

Three (3) newly recruited staff in the persons of Ms. Roseline Siabi, Messrs Yoni Atilago and Kweku Ansah Snr were posted to the Region to occupy the position of Assistant Accountant, IT Specialist and Water & Sanitation Engineer respectively with effect from May 2018.

In August 2018, one Private Secretary, Ms. Regina Adom Ampadu and two Security Guards, Messrs Gershon Quaicoo Johnson and Maxwell Amoako were recruited.

One Water Safety Specialist (WSS), Marvelous Kafui Kumessy was deployed to the Region in December, 2018.

Interviews were conducted to replace TMA who retired in November, 2018 and also for an additional driver.

#### **Promotion**

The Assistant Accountant, Kelvin Kyei Baffour was promoted to the post of Accountant with effect from May 2018.

The Private Secretary, Ms. Sophia Manubea Asiedu was promoted to the position of Extension Services Specialist (ESS) with effect from May 2018.

#### **Retirement**

The Transport Management Assistant, Albert Anthony Annan went on compulsory retirement on 11th November, 2018.

### 3.4.5 WATER SYSTEM MANAGEMENT STAFF (WSMS)

The region deployed 54 WSMS on 8<sup>th</sup> June 2018, out of which 46 reported and assumed duty. The staff were introduced to the MDAs and the communities between 18<sup>th</sup> and 22<sup>nd</sup> June 2018 as part of the community entry process and given orientation on 27<sup>th</sup> June 2018. All the 46 staff assumed duty on Tuesday, 3<sup>rd</sup> July 2018, with the exception of a CRO and WSS who reported on 1<sup>st</sup> October and 1<sup>st</sup> December, 2018 respectively.

Out of 46 WSMS deployed, the System Manager at Adasawase vacated post while the Technician Engineer at Akroso resigned. The Region now have 46 WSMS and 29 Auxiliary Staff.

#### **National Service Personnel**

Five (5) National Service Persons reported to undertake their national service for the 2018-2019 Service year.

A Water System Staff Marvelous Kafui Kumessy was deployed to the Region in December, 2018 as a WSS.

### Capacity Building for Stakeholders

**Table 3.15: Capacity Building for Stakeholders in the Region**

<i>Stakeholder</i>	<i>Activity</i>	<i>Program</i>	<i>No. Trained</i>	<i>Period</i>	<i>Remarks</i>
<i>Plan Int./ CWSA</i>	Refresher WSMTs Training	Plan (GH) iWASH Program	21	July, 2018	Training of WSMTs for successful management of three mechanized water systems.

## 3.4.6 CWSA REFORMS

### Training and Capacity Building Orientation for Newly Recruited WSMS

An orientation was conducted for the newly recruited WSMS. The Regional Office teamed up with the Head Office to facilitate the sessions.

Skills development training was also conducted for the Account Officers and Community Relation Officers to provide them with the relevant skills to enable them perform their duties effectively and efficiently.

### Advocacy Workshop for MDAs and WSMTs at ERCC

A workshop was organized on the 27<sup>th</sup> November, 2018 for MDAs and WSMTs to sensitize them on the Agency's reform programme. In attendance were the Chief Executive, Director, Admin/HR, the regional team and Chief Director from RCC.

### Training on Solar Mechanized Pump

The Technical Unit attended a workshop on Solar Mechanized Systems at Golden Tulip Hotel organized by Messrs Lorentz Group Ltd in Accra.

### Training of WSMS on Billing Software

A one day training workshop was organized for the WSMS on the new billing software which was developed by two staff of the Agency. The training took place at the Eastern Regional office of CWSA.

### Assessment of Sanikits

Assessment was done on the Sanikits of seven (7) water systems except that for Adasawase which does not have one. The report has been completed and forwarded to Head Office.

### Training and Installation of Pilot Smart Meters

Training for the usage and installation of Smart Meters was conducted for some selected staff.

Thirty (30) Smart Meters were installed at Akroso (16) and Asesewa (14).

### **REHABILITATION WORKS**

#### **Adasawase Water System**

The old storage tanks have been replaced with 3 Rambo 1000 Polytanks. The installation of the Polytanks and other pipe fitting works have been successfully completed.

#### **Asesewa WSMS Office**

The office was expanded to accommodate the staff deployed for the management of the water system. Works have been completed and the office is in use.

#### **Akwadum WSMS Office**

All associated works in connection with acquisition and use of WSM office have been completed and in use.

#### **Asiakwa Water System**

Rehabilitation of the Aqualite treatment plant site which usually gets flooded whenever it rains has been completed. It is yet to be fenced.

### **Redevelopment of BHs**

#### **Asiakwa and Bosuso**

The boreholes at Asiakwa and Bosuso have been redeveloped to improve the water quality since both have challenges with iron. A 48-hour pumping test was also done on the boreholes after the redevelopment.

### **Extension of Pipelines**

#### **Asesewa**

A survey was undertaken to identify new areas within the community to extend the distribution pipeline. Three areas have been identified and estimates to that effect have been prepared. The expected source of funding will be from the Replacement Account of the WSMT. This was agreed in principle by the Upper Manya Krobo District Assembly and the erstwhile WSMT.

#### **Adasawase**

A survey has been conducted to identify suitable locations for the construction of two additional standpipes in the community.

### **Extension Activities**

#### **Preparation of Hygiene and Sanitation Action Plan/Water Safety Plan**

As a requirement of the 2018 Performance Contract, the HSAP and WSP have been prepared and submitted to Head Office.

### **Negotiation Meetings – Suhum and New Juaben North Municipal Assemblies**

Negotiation meetings were held in the above mentioned Municipal Assemblies to discuss the compensation packages for the erstwhile WSMTs of Nankese and Akwadum. All compensation package have been paid to deserving WSMTs.



### **Consultative Meeting with Upper West Akim DA/Adeiso WSMT**

A consultative meeting was held with the Upper West Akim District Assembly and the WSMT of Adeiso to brief them about the ongoing reform in the management of the small town water systems. There were some management challenges with their WSMT which was brought to the attention of the region by the District Assembly.

### **Capacity Assessment of Mepom WSMT**

The Extension service Unit undertook a capacity assessment of the WSMT at Mepom. It had a 14-member WSMT but only 5 were present for the assessment. Also, it came to light that consumers owed the Water System to a tune of GH¢4,000.00.

### **Technical/Operational Indicators**

Number of Piped Systems to be managed under CWSA Management

In line with the 2018 Performance Contract, seven (7) out of eight (8) systems are being piloted in 7 districts. Steps are being taken to scale up to thirteen (13) by December, 2019.

### **Non-Revenue Water**

Due to the inefficiency of both the bulk and service meters, the total amount of water produced against the consumption to determine the 20% estimated non-revenue water could not be measured. Efforts have been put in place and all the malfunctioning bulk meters have been replaced.

### **Total Water Production**

Because of the inefficient bulk meters, the total water produced could not be measured and therefore the production was based on the revenue accrued for the period. Based on the seven (7) systems which operated for 3 months, the total revenue accrued was GH¢217,902.32. Out of this, the total water produced is estimated to be 41,904.29 m<sup>3</sup> based on an average rate of GH¢5.20 both at the standpipe and the household connection.

### **Payment Rate at Standpipe and Household Connections**

It is estimated that 100% payment rate was achieved at the standpipe. However the payment rate at the household level could not be readily determined due to the standardization of tariffs in some communities which has delayed the payment of bills i.e. Akim Sekyere and Akroso. However, about 60% of the revenue was realised from the remaining five (5) water systems.

### **Annual Total Income from Sale of Water**

The region started management of the systems in July 2018. Of the eight (8) Water Systems, the Bosuso System has not been operational. The operation of the Nankese Akwadum Water System also delayed until mid-August due to an impasse. As a result, the total income from the sale of water is GH¢508,458.71

### **Average Water Consumption**

The estimated 40 l/c/d could not be determined because of the inefficient bulk and service water meters, the water consumed could not be measured and therefore the consumption was based on the revenue accrued for the period. Based on the revenue accrued, the water

consumed per capita is 9.3litres.

#### Average Water Tariff

The average water tariff per m<sup>3</sup> is pegged at GH¢5.20

#### Households to be Connected with Water Meters

Due to unavailability of meters, the expected 10% households connection could not be attained. Less than 5% households were connected with new meters.

#### Approved Maximum Expenditure for water systems operations excluding emoluments (Annual)

The expenditure accrued for the Water System operations from July, 2018 to the end of year stood at GH¢ 238,000.00 excluding emoluments.

#### Income & Expenditure Ratio

The income & expenditure ratio as at the end of the third quarter stood at 0.51 instead of 0.18 as indicated in 2018 performance contract.

### 3.4.7 FINANCE

Approved budget, releases, expenditure and variance

**Table 3.16: Finance - Summary of Financial Indicators for the year 2018**

S/No	Performance Criteria	Budget 2018 (Gh¢)	Releases (Gh¢)	Expenditure (Gh¢)	Variance (Gh¢)	Reasons
1	Investment	130,000.00	586,807.11	156,422.65	-26,422.65	
2	Goods & Services	539,864.00	827,147.28	584,066.65	44,202.65	Much activities were not carried out in the year.
3	Personnel Emoluments	407,426.00	369,394.99	369,394.99	38,031.01	-
	Total (Gh¢)	1,077,290.00	1,783,349.38	1,109,844.29	55,811.01	-

### 3.4.8 REGIONAL CHALLENGES

The challenges faced in the Region are as follows:

1. Delays on the part of some contractors/consultants in the execution of projects.
2. Frequent breakdown of some Piped Water System which are over aged.
3. Inadequate supply of water meters to monitor water consumption.
4. High cost of rehabilitation and expansion of Piped Water Systems.
5. Non availability of spare parts and materials for repairs and maintenance.
6. High expenditure on water quality analysis and hence the need to setup a regional laboratory.
7. Increase in the cost of projects due to the construction of MWACAFE Plants as well as the procurement of Aqualite system to mitigate the high incidence of Iron and Manganese.
8. Old vehicles and price hikes in fuel resulting in high running cost.
9. Inadequate funds for effective monitoring activities.
10. Inadequate funds for administrative activities.

### 3.4.9 MITIGATION MEASURES

Below are the mitigation measures;

1. Staff are using office equipment, power, fuel and consumables judiciously to reduce administrative expenses of the region.
2. Provided technical support to MDAs and the private sector operatives through calls, visits, orientation / refresher training and on-the-job coaching.
3. Staff work for long hours to clear backlogs and meet deadlines in line with the demands of the Regional Performance Contract.

## 3.5 GREATER ACCRA REGION

The region in the year under review continued with the provision of Water and Sanitation facilities through the implementation of some projects. The region was also not left out in the Agency's Reform program. As at the end of the year, the region participated in the management three (3) Small Town Piped Water Systems.

The following WASH projects were implemented within the year under review.

- Rotary International/USAID WASH Project, 16 boreholes were successfully drilled.
- Rotary Accra Ridge Global Grant, Five (5) boreholes were successfully drilled.
- Installation and configuration of a new billing software has been completed.

- Major repair works on pumps were carried out on all the three (3) Water Systems under the regions management.
- UNICEF Football 4 WASH Program.

### **3.5.1 REGIONAL COVERAGE**

The rural and small towns water coverage for the Region at the end of the year under review was 61.74% compared to that of 2017 which stood at 62.01%. This implies that, there is a decrease by 0.27% within a period of one year.

### **3.5.2 OVERALL PERFORMANCE OF REGIONAL TARGETS**

#### **Administrative/Management**

- An orientation was organised for all Water System Management Staff (WSMS) in the region.
- Recruitment of 37 auxiliary staff which includes drivers, pump attendants, plumbers, security guards and cleaners.
- A total of 400 value books receipts were printed for the three (3) Water Systems to replace the receipts books that were used by the WSMTs.
- Procurement of furniture for all three (3) Water Systems offices.
- Procurement of 12 motorbikes for all Revenue Officers on the Three District Water Supply Scheme (3DWSS).
- Monthly progress meetings were held both at the water system and the regional levels.

#### **Technical/Operational**

- The intake well, the clear water tanks and high-level tanks of the 3DWSS and Osudoku Water Supply Systems (OWSS) were cleaned.
- Three (3) pumps for the 3DWSS and OWSS were repaired, and one pump was replaced for the Kwaiman-Danfa Water Supply Systems (KDWSS).
- Training of Revenue Officers in motorbike riding and issuance of motorcycle license to all participants.
- Installation and configuration of new billing software for all three (3) Water Systems.
- Training of Water System Managers, Account Officers and Revenue Officers on the new billing software.
- Sampling for water quality tests for the three (3) Water Systems.

- Baseline data collection for Water Quality Index completed in all three (3) Water Systems.
- Repair works and replacement of transmission and distribution pipelines in all three (3) Water System.
- Water loss has been reduced as a result of prompt response to pipe bursts on the 3DWSS.
- Repair works on 100 Standpipes (SPs) out of 323 SPs in all three (3) Piped Water Systems .
- Installation of 83 meters for households and standpipes in all three (3) Water Systems.
- Qualitative standardisation of residual chloride has been determined on 3DWSS and OWSS.
- Mechanisms and guidelines for retrieving debts have been developed and being implemented.
- Assessment of over 100 vendors for re-engagement in all three (3) Water Systems.
- Tender document for the upgrading of part of the transmission lines for 3DWSS completed and submitted for review.
- ToR for rehabilitation works at the 3DWSS Headworks completed.
- Three (3) high yielding boreholes were drilled for Kweiman- Danfa Water Supply Sheme expansion project

### 3.5.3 PROGRESS OF SPECIFIC REGIONAL WASH PROJECTS

#### Water

Table 3.17: Water - Status of Projects in the Region at the end of the year 2018

Project Name(S)/ Funding Source/ Duration	Amount Received or Transferred Through the Region to Date	Overall Project Target	Cumulative Achievement (Since Project Inception)	Reporting Annual Target	Reporting Annual Achievement	Remarks/ Challenges
<b>Rotary Accra Ridge Global Grant Project</b>	GH¢12,129,000	5 BHs with hand pumps  Provide community animation and training to WATSANS in 5 communities	- Community verification completed - community entry activities completed in 5 communities  Hydro -geophysical investigation completed  5 boreholes successfully drilled  Water quality test conducted  Mobilization phase activities have been carried out  Construction of MWACAFE Plant practically completed	Installation of handpumps Award of contract for construction of MWACAFE Plant	Quotations for construction of MWACAFE received from three contractors  Construction of MWACAFE Plant practically completed	The GMIMI Hand pump is not the market. The Afrider handpump has been recommended for use on the boreholes
<b>RI-USAID WASH Project (16 BH)</b>	GH¢ 9,860,000	Hydrogeological investigations Drilling of 16 boreholes Platform	Bidding documents have been sold Bid evaluation has been conducted and a report submitted	Pumping test Water Quality Analysis Planning phase activities	Borehole logging has been done 8 Boreholes have been	Unsuccessful/marg inal boreholes drilled in some beneficiary communities

Project Name(S)/ Funding Source/ Duration	Amount Received or Transferred Through the Region to Date	Overall Project Target	Cumulative Achievement (Since Project Inception)	Reporting Annual Target	Reporting Annual Achievement	Remarks/ Challenges
		<p>construction and installation of 15 handpumps                      Mechanisation of 1 borehole                      Provision of extension services in 11 communities</p>	<p>Mobilization phase activities have been carried out in 11 communities                      16 out of 16 boreholes successfully drilled                      8 borehole hydrofractured.                      Handpumps installed on 4 boreholes. Pumping test completed                      Water Quality Analysis carried out.</p>	<p>(WSMT training 2, HSAPs, FMP formulation, etc)</p>	<p>Hydrofracturing                      Hygiene &amp; Sanitation Action Plans prepared in 4 communities                      Platforms constructed on 10 Boreholes                      4 GMIMI Handpumps were installed</p>	

Sanitation

Table 3.18: Sanitation - Status of Project in the Region at the end of the year 2018

Project Name(s)/ Funding Source/ Duration	Amount Received or Transferred Through the Region to Date	Overall Project Target	Cumulative Achievement (Since Project Inception)	Reporting Annual Target	Reporting Annual Achievement	Remarks/ Challenges
UNICEF F4WASH 2.0 Program - Construction of 25 Institutional Latrines	GH¢785,100.87 GH¢12,619.07	Construction of 25 Institutional Latrines	The Bid evaluation is completed. Negotiation with contractors carried out. Approval given by Entity Tender committee for award of contract.	Award of Contract. Signing of contract. Contractors introduced to sites.	The Entity Tender Committee (ETC) has given approval for the Evaluation Report and the recommendations for the award of the contracts.	Negotiations to review contract sum due to Limited budget.
Rotary/USAID WASH Project	GH¢19,860.00	7 Institutional Latrines with Hand Washing Facilities.	Evaluation of Bids completed. Contract awarded for construction of seven (7) institutional latrines. Construction works on four (4) Institutional latrines have been completed. Contract re-awarded for completion.	Five (5) 4-Seater KVIP Latrines and two (2) 3-Seater WC toilet completion	2No. 3 -Seater WC toilet at Amarmoley and Oduman Clinics are near completion four (4) 4-Seater KVIP at Tebu, Fante Mayera and Balagonno are near completion. Contract re-awarded for completion of two (2) WC toilet and 4 KVIP latrines and contraction of one (1) 4-seater KVIP Latrine.	RI recommended the termination of the contract of Shakdeen Ltd due to poor performance. The contract has been re-awarded to Links Drilling and construction Ltd.



### 3.5.4 HUMAN RESOURCES MANAGEMENT

#### Current Staff Strength

Table 3.19: Staff Strength in the Region as at the end of 2018

UNIT	DESIGNATION	POSITIONS		
		Established	Filled	Vacant
Management	Regional Director	1	1	0
Administration	Regional Accountant	1	1	0
	Accountant	1	1	0
	Administrative Manager	1	1	0
	Office Assistant	1	0	1
	Secretary	1	1	0
Software	Extension Services Specialist	2	2	0
	ITS	1	1	0
Technology	Water and Sanitation Engineer	2	2	0
	Hydrogeologist	1	0	1
	Water Safety Specialist	1	1	0
Support	Driver	3	2	1
	Guest House keeper	1	1	0
	Security	4	3	0
<b>TOTAL</b>		<b>21</b>	<b>18</b>	<b>3</b>

### 3.5.5 FINANCE

Approved budget, releases, expenditure and variances for the year 2018 are given below;

#### Reform Income and Expenditure

Table 3.20: Water System Finance - Summary of Financial Performance as at the end of 2018

S/No.	Performance Criteria	Budget 2018 (GH¢)	Releases (GH¢)	Expenditure (GH¢)	Variance (GH¢)	Reasons
1	<b>Goods &amp; Services</b>					
	<i>Administration</i>	-	755,590.35	641,093.63	114,496.72	For payment of 3DWSS ECG Bill arrears
	<i>Other Income WSMT Acct.</i>		40,000.00	40,000.00	0.00	
2	<b>Personnel Emoluments (WSMS)</b>					
	<i>WSM Staff</i>	-	-	-	-	
	<i>WSMS Auxiliary</i>	-	-	-	-	
	<b>Total (GH¢)</b>	-	795,590.35	681,093.63	114,496.72	

## GoG Income and Expenditure

**Table 3.21: Finance - Summary of GoG Income and Expenditure as at the end of 2018**

S/No.	Performance Criteria	Budget 2018 (GH¢)	Releases (GH¢)	Expenditure (GH¢)	Variance (GH¢)	Reasons
1	<b>Goods &amp; Services</b>					
	Administration	-	327,807.64	330,737.33	(2,929.69)	
	<b>Other Income</b>					
	UNICEF	-	935,948.60	150,173.82	785,774.78	UNICEF to release Funds for WASH Program
	Bid Document Sold	-	5,425.00	-	-	
	<b>Total (GH¢)</b>		1,269,181.24	480,911.15	782,782.09	

**Table 3.22: Budget and Expenditure**

S/No	Performance Criteria	Budget 2017 (GH¢)	Releases (GH¢)	Expenditure (GH¢)	Variance (GH¢)	Reasons
1	Investment	130,000.00	32,640.00	56,157.00	73,843.00	
2	<b>Goods &amp; Services</b>					
	Services	539,864.00	337,548.70	224,992.88	314,871.12	Much activities were not carried out in the year
	Administration	-		109,928.12	109,928.12	-
3	Personnel Emoluments	407,426.00	269,057.38	269,057.38	138,368.62	-
	<b>Total (Gh¢)</b>	<b>1,077,290.00</b>	<b>639,246.08</b>	<b>660,135.38</b>	<b>417,154.62</b>	-

### 3.5.6 REGIONAL CHALLENGES

The challenges militating against program implementation and other regional activities are as follows:

1. Inadequate funds for the maintenance and repair of IT equipment.
2. Inadequate funds for operation, maintenance and repair of official vehicles.
3. Agitation by community members and Chiefs against CWSA's participation in the management of Water Supply Schemes especially Abokobi Water Scheme.

4. Inadequate capacity of all the schemes to meet current demand leading to rationing of water.
5. Frequent pipe bursts on main transmission lines, especially on the 3DWSS and Kweiman-Danfa Scheme resulting in intermittent supply of water.
6. High ECG arrears from previous management which is threatening power supply on some of the installations.
7. High customer indebtedness on all the schemes and slow recovery of debts.
8. High percentage of customers unmetered on the Kweiman-Danfa and Osudoku Schemes resulting in high unaccounted for water.
9. Inadequate logistics e.g. motorbikes for operations of water schemes.
10. Inadequate logistics at the regional and water system level e.g. vehicles for monitoring and motor bikes for operations at the Water System level assisting the schemes in their operations.
11. Inadequate personnel for meter reading and revenue collection

### **3.5.7 MITIGATION MEASURES**

1. Procurement processes have been initiated to replace sections of transmission lines on the 3DWSS using funds accrued to scheme by WSMT.
2. An assessment has been carried out for installation of Packaged Treatment Plant aimed at increasing water production on the 3DWSS.
3. Contract awarded for rehabilitation and expansion of Kweiman-Danfa Water Supply Scheme.
4. Four (4) additional locations identified for establishment of pay points to improve payment of water bills by customers.
5. Piloting of pre-paid meters.

### **3.6 NORTHERN REGION**

The region in the year under review focused on provision of WASH facilities and management of some selected small town Water Systems under the CWSA reform program. The projects being implemented in the region are; AF-SRWSP, UNICEF assisted WASH projects, CHINA/GOG 1000 Boreholes project and Rotary International–USAID H2o Collaboration Project.

#### **3.6.1 REGIONAL COVERAGE**

The region's rural and small towns water coverage as at the end of the year under review was 60.95% compared to that of 2017 which stood at 61.53%. This implies that, there is a decrease by 0.58% within a period of one year.

### 3.6.2 PROGRESS OF SPECIFIC REGIONAL WATER PROJECTS

The region, in the year under review had various WASH interventions to provide safe water and related sanitation to the people of the region. Below is a table showing the details of the various projects.

Table 3.23: Status of Projects in the region as at end of the year 2018.

No.	Project Name(s)/ Funding Source/ Duration	Amount received or transferred through the region to date (Gh¢)	Overall Project Target	Cumulative Achievement (Since Project inception)	Reporting Quarter Target	Reporting Quarter Achievement	Remarks/ Challenges
1.	UNICEF KVIP	524,998.02	356	277 - -	79 - -	0 - -	Delay in the release of funds for work done by contractors. It has affected the completion of outstanding works. Additional 20 latrines were contracted to best performing contractors with running contracts
	Boreholes Pipe Extensions Water Safety	1,689,546.44 12,020.00	94 46				Works commenced at the last month of the quarter so none of the facilities was completed within the quarter
2.	AF - SRWSP Sanitation	31,000.00	3,350 HH latrines & 100 ODF Comm.	- -	No target set	- -	Facilitating process in progress
	Water	27,785.00	7 Small Town Systems		7	0	Contracts were signed on 14 <sup>th</sup> December 2018

No.	Project Name(s)/ Funding Source/ Duration	Amount received or transferred through the region to date (Gh¢)	Overall Project Target	Cumulative Achievement (Since Project inception)	Reporting Quarter Target	Reporting Quarter Achievement	Remarks/ Challenges
3.	ROTARY - USAID	17,600.00	5 Bhs fitted with hand pump	-	2	0	2 bhs successfully drilled, 3 bhs marginal, 2 out 3 marginal wells to be hydrofractured. Water quality & pad construction completed. Pump installation pending
			9 KVIP latrines	9 KVIP latrines completed	0	0	Final inspection and handing over of facilities after defect liability period planned for January 2019.
4.	China/GoG 1000 Bhs Project	-	146 B hs	138	3	0	Bhs outstanding in Tolon district is still pending

### 3.6.3 HUMAN RESOURCES MANAGEMENT

#### Current Staff Strength

The Total staff strength as at the end of the year stood at Ninety four (94) made up of Twenty-two (22) at the Regional level and Seventy-two (72) at the water systems level.

**Table 3.24: Regional Staff and their Designation**

S/NO.	NAME	DESIGNATION
1	Gilbert A. Ayamgah	Regional Director
2	Joseph E. Jonah	Chief Water & San. Engineer
3	Seth Nii Doodo Amoo	Principal ITS
4	Jerry Asigbey	Principal Hydrogeologist
5	Godwin Kotoku	Snr. Extension Service Specialist
6	Abdallah Goro Iddrisu	Snr. Extension Service Specialist
7	Abubakar Mumuni Kaara	Snr. Accountant
8	Joseph Tei-Labi	Snr. Admin. Manager
9	Samuel Adjei Sao Snr.	Water & Sanitation Engineer
10	Ziblim Yussif	Private Secretary
11	Caesar Bugri	Accountant
12	Mohammed Issah	Transport Management Assistant
13	Murtalla Bello Ahmed	Snr. Driver
14	Ibrahim Baani	Snr. Driver
15	Alhassan Amadu	Security Guard
16	Ibrahim Alhassan	Snr. Security Guard
17	Mohammed Abdallah	Security Guard
18	Diana Mensah	Snr. Office Asst.

#### Capacity Building for the Regional Staff

There was no capacity building for staff during the year under review.

#### Relevant Personnel Issues

A newly recruited engineer, Mr. Samuel Adjei Sao Snr., was posted to the Region during the year. The officer reported on 2<sup>nd</sup> May, 2018 at the regional office and subsequently attended an orientation program in Ho.

Mr. Achana Abdul-Samed, Senior Security Guard who had been sick for some time, passed on in May 2018.

### 3.6.4 FINANCE

**Table 3. 25: Approved budget, releases and expenditure for 2018.**

S/No	Performance Criteria	Budget 2018 (GH¢)	Releases (GH¢)	Expenditure (GH¢)	Variance	Reasons
1.	Investment	-	-	-	-	
2.	Goods & Services		1,409,260.43	1,163,869.07	245,391.36	
3.	Personnel Emoluments			331,438.50	-	
	<b>Total (GH¢)</b>		1,409,260.43	1,495,307.57	245,391.36	

### 3.6.5 REGIONAL CHALLENGES

Beside the challenges encountered in facilitating the various WASH interventions in the Region, there were other administrative challenges affecting the Region as indicated below:

1. Inadequate Administration budget coupled with irregular release of funds hampered implementation of planned activities.
2. The structural integrity of the Regional office building has been deteriorating for some time now with cracks all over. This requires some form of intervention to prevent further deterioration and avert any danger.
3. The land on which two of the region's residential buildings are situated is being encroached upon by squatters at an alarming rate. The transfer of the buildings from GWCL to the Agency through the asset sharing exercise was not accompanied with the necessary documents and as a result the region do not have title to the property.
4. Most of the residential buildings handed over by GWCL through asset sharing exercise are in a deplorable state and need rehabilitation.
5. The bad roads coupled with the vast nature of the region and also old fleet of vehicles is making field operations/ monitoring difficult.

### 3.6.6 MITIGATION MEASURES

1. The region has engaged a structural engineer for the preliminary assessment of the office building. The report is to be submitted to Head Office in the first quarter of 2019.
2. The office has collected a copy of the lease agreement covering the land from GWCL. No site plan of the area is available and the lease is in the name of GWCL. The region is taking steps to obtain the site plan to kick start the process of transfer of ownership. However, to start the process the region requires the asset sharing directive from the then Ministry of Water Resources Works and Housing.
3. The office has begun a gradual renovation of some staff residential bungalows. The plan

- is to expand the renovation works to cover all official bungalows.
5. The region updated Head Office on the status of vehicle.

### 3.7 UPPER EAST REGION

This aspect of the report highlights the activities that took place in the region. The year under review, saw the preparations towards the start of AF-SRWSP and CWSA reform activities. UNICEF support activities were also carried out. Some of the projects the region was involve in are; UNICEF WSP, AF-SRWSP and SIF Project.

#### 3.7.1 REGIONAL WATER COVERAGE

The region's rural and small towns water coverage as at the end of the year under review was 65.89% compared to that of 2017 which stood at 66.13%. This implies that, there is a decrease by 0.24% within a period of one year.

#### 3.7.2 PROGRESS OF SPECIFIC REGIONAL WASH PROJECTS

The region facilitated the execution of a number of projects in the course of the year which contributed to the provision of safe water and sanitation facilities. The status of implementation of these projects are outlined in the table below.

**Table 3.26: Performance Contract Targets and Achievement Review**

Project Name(s)/ Funding Source/ Duration	Amount received or transferred through the region to date.	Overall Project Target	Cumulative Achievement (Since Project inception)	Remarks/ Challenges
UNICEF ASSISTED PROJECT		Construction of WASH facilities in 6 Mother baby friendly Health Centres in the Upper Region	Works are over 90% complete.	Delay in release of funds by UNICEF
		Provision of 37 latrines and 18 boreholes for 25 selected schools under UNICEF football for WASH project	Inception meeting held for stakeholders. Tender opened and evaluation of bids completed Works ongoing	



### 3.7.3 REFORM ACTIVITIES

#### **Sandema Water Supply Systems**

A borehole drilled by the old management of Sandema Water Management was assessed for mechanization. The following works have been carried out:

- Well head has been constructed for the newly drilled borehole of Sandema Water System.
- The borehole has been mechanized and water is being pump for supply.
- Diversion of pipeline from a stream has been completed and now water can be supplied to Belinsa community.
- Faulty pump C2 of Sandema Water Supply System has been repaired.
- Repair and Maintenance work for the 100m<sup>3</sup> High level steel tank has begun.
- Water bulk meters have been installed for the pump houses.

#### **Paga Water Supply System**

- Facilitated the installation of bulk water meters
- Facilitated the replacement of a submersible pump on BH-B27 in Paga

#### **Pusiga Water Supply System**

- Remedied intermittent pumping borehole in Pusiga.
- Fixed 150 mm (DN) burst transmission pipe in Pusiga
- Installed bulk water meters
- Bongo Water Supply System
- Remedied intermittent pumping borehole in Bongo
- Installed bulk water meters

#### **Chiana Water Supply System**

- Facilitated the repair of faulty pump control panel of Chiana Water System
- Assessed and facilitated the replacement of a submersible pump on the system.
- Installed bulk water meter at pump house in Chiana.
- Binaba-Kusanaba Water System

- Participated in the first general meeting between Binaba-Kusanaba WSMS and WSMT to review their tariffs.

### **Zebilla Water System**

- Installed bulk water meters on three pump houses.

### **Other Activities under the Reforms**

- Community visit into the second batch of communities for the management of their water systems.
- Visited Widana, Garu, Kongo, Pungu, Fumbisi, Wiaga and Zorkor Water Supply Systems to prepare them towards the CWSA participation in their management.
- Received bulk water meters and service meters from Head Office.
- Participated in a seminar organised by CWSA Head Office on solar pumping technology for Community Water Supply Systems from 27<sup>th</sup> – 28<sup>th</sup> November, 2018.

### **UNICEF-Assisted WASH Project**

With the support from UNICEF, the under listed activities were carried out during the year under review.

- The region facilitated the final review activities of the UNICEF WSP Consultant.
- Participated in the orientation on Results Based Financing on CLTS for RICCs and MDAs staff in Bolgatanga.
- Participated in the 2017 WASH Annual Review meeting sponsored by UNICEF in Bolgatanga.
- Formulated Water Safety Action Plans and conducted sanitary surveys in the two pilot communities (Bongo-Beo and Zawse).
- Participated in Operation and Maintenance training on UNICEF assisted KVIPs for four (4) CHPS Compounds in the Garu District.
- Embarked on an inspection of the beneficiary schools under the UNICEF Football for WASH Project.
- Participated in an O & M training organised for the Health Staff in Tariganga, Nanagani, Kpatia, Aloko and Yizidug CHPS compounds on UNICEF funded four (4) KVIP and one (1) Borehole in the Garu and Tempene Districts from 3<sup>rd</sup> – 14<sup>th</sup> September, 2018.
- Supervised the construction of three (3) UNICEF assisted KVIP Latrines in Zawse JHS, Gonre primary and Kulivai primary in the Binduri District.
- Completed and handed over three (3) newly constructed UNICEF assisted KVIP latrines

in the Binduri District.

- Completed and handed over eight (8) UNICEF assisted KVIP latrines in the Binduri District.
- Completed and handed over five (5) UNICEF assisted KVIP latrines in Wa East of Upper West Region due to the fact that the Upper West Region was overwhelmed with work and the Upper East Region had to come in to meet UNICEF time lines.
- Participated in the training of 4 districts and one municipal assembly in the data collection and continuous monitoring using android phones.
- Participated in WASH Emergency Response Orientation meeting for some flood affected communities.
- Participated in the training session on Effective Media Engagement for Region-WIDE ODF agenda.
- Participated in a one-day workshop on District Sanitation Fund at Wa.
- Participated in the training of New District Field facilitators on CLTS.
- Prepared contract documents for the UNICEF Football for WASH Project.
- Introduced Contractors for UNICEF Mother Baby Friendly Health Initiative (MBFHI) project to site for commencement of work.
- Supervised the setting out for the construction of WASH facilities under UNICEF MBFHI project.
- Supervised and monitored the construction of WASH facilities in six (6) Health Centres under the UNICEF MBFHI project.
- Introduced contractors for UNICEF football for WASH project to site for commencement of work.
- Supervised and monitored the construction of KVIP latrines under the UNICEF football for WASH project.
- Prepared an addendum contract for the construction of fourteen (14) new KVIP latrines and rehabilitation of seventeen (17) existing KVIP latrines under UNICEF Enhanced WASH project.
- Supervised and monitored the construction of KVIP latrines under UNICEF Enhanced WASH project.
- Inspected delineated sites for borehole drilling under the UNICEF Football for WASH Project.

## AF- SRWSP

### Budget Review

Three (3) Regional staff consisting of the Regional Director, CESS and the Acting Regional Environmental Health Officer participated in a budget review meeting of the AF-SRWSP sanitation component on 20<sup>th</sup> April, 2018 in Accra.

### Inception Meeting

The regional inception meeting of the AF-SRWSP Sanitation component was held on 29<sup>th</sup> May, 2018 at the GHS-IN-SERVICE Training Center in Bolgatanga. The meeting was to create awareness on the AF-SRWSP and to present the strategy for the implementation of the sanitation component under the project with the view to soliciting stakeholders' active involvement and support during implementation.

Participants were drawn from the Regional Coordinating Council, the Regional Environmental Health and Sanitation Directorate, the Regional Community Department, all Municipal and District Assemblies including their Chief Executives as well as staff of the Community Water and Sanitation. A total of 66 people participated in the meeting.

## 3.7.4 HUMAN RESOURCES MANAGEMENT

### a. Current staff strength

**Table 3.27: Staff Strength**

Category	Expected No.	Number at Post	Number Vacant
Regional Director	1	1	0
Water & Sanitation Engineer	2	2	0
Extension Services Specialist	2	2	0
Accountant	1	1	0
IT Specialist	1	1	0
Assistant Accountant	1	1	0
Secretary	1	1	0
Drivers	3	3	0
Security Guards	3	3	0
Administrative Manager	1	1	0
Hydro geologist	1	1	0
Office Assistant/Cleaner	1	0	1
Guest House Keeper	1	1	0
Water Safety Specialist	2	2	0
<b>Total</b>	<b>21</b>	<b>20</b>	<b>1</b>

During the period under review, five additional staff consisting of an Engineer, Assistant Extension Services Specialist, two Water Safety Specialists and an Assistant Accountant were added to the Team.

**Table 3.28: System Staff**

No.	Job Title	Pusiga	Binab – kusanaba	Zebilla	Bongo	Chiana	Paga	Sandma	Total
1	Water System Manager	1	0	0	1	1	1	1	5
2	Engineer	0	0	0	1	0	1	0	2
3	Technician	2	2	1	1	1	1	2	10
4	Accounts Officer	0	1	1	0	1	0	0	3
5	Revenue Officer	2	3	2	2	2	3	2	16
6	Com Relations Officer	0	0	0	1	1	0	1	3
7	Water Safety Specialist	-	-	-	-	-	-	-	1
8	Sub Total	5	6	4	6	6	6	6	39
9	Auxiliary Staff	3	3	4	3	3	3	3	21
10	Grand Total	8	9	8	9	9	9	9	61

**b. Capacity Building for the Regional Office Staff**

**Table 3.29: Capacity Building**

STAFF	GENDER		WORKSHOP	DURATION	VENUE	STATUS
	M	F				
Chief IT Specialist (CITS)	1		Continuous monitoring and data collection using AkvoFlow	24 <sup>th</sup> – 25 <sup>th</sup> January 2018	Tamale	Completed
All senior staff	7	1	Orientation on CWSA Reforms	23 <sup>rd</sup> to 26 <sup>th</sup> 2/2018	Ho	Completed
Chief Extension Services Specialist (CESS)	1	0	Orientation on RBF on CLTS	12/3/18	Bolgatanga	Completed
Chief Extension Services Specialist (CESS)	1	0	Review of AF - SRWSP Sanitation Strategy	1/3/18	Accra	Completed
Region Director (RD) and Hydro	2		Orientation for new system managers	13 <sup>th</sup> June, 2018	Tamale	Completed
Hydro, AESS & Water Safety Specialist (WSS)	2	1	Safeguards Training under AF -SRWSP	17 <sup>th</sup> – 18 <sup>th</sup> September, 2018	Tamale	
CESS, Asst. Extension Services Specialist (AESS), Water Sanitation Engineer (WSE) 1 & 2	3	1	Training on the installation of Digni -Loo	7 <sup>th</sup> – 9 <sup>th</sup> September, 2018	Tamale	
Hydro & Water Sanitation Engineer (WSE) 2	2		Solar Pumping Technology Training	27 <sup>th</sup> – 28 <sup>th</sup> November, 2018	Golden Tulip Hotel, Accra	Completed

### 3.7.5 FINANCE

Table 3.30: Details of the finances for the Region:

S/No	Performance Criteria	Budget 2018 (GH¢)	Releases (GH¢)	Expenditure (GH¢)	Variance (GH¢)	Reasons
1	Investment					
2	<b>Goods &amp; Services</b>					
	Services (UNICEF)					
	Admin (UNICEF)					
	Services (GoG)			84,289.75		
	Admin (GoG)		337,258.31	282,334.44		
3	Personal Emoluments					
	<b>Total (GH¢)</b>		<b>337,258.31</b>	<b>366,624.19</b>	<b>(29,365.88)</b>	

### 3.7.6 REGIONAL CHALLENGES

The region was faced with some challenges. Key among them are;

1. Inadequate vehicles making operations and monitoring difficult coupled with over-aged vehicles which are associated with high overhead maintenance cost.
2. Staff bungalows in the region in a deplorable state.
3. Inadequate office logistics like computers, photo copies and printers.
4. Light bills from Bongo and Zebilla systems to the tune of Ghs150,000.00 is still outstanding.
5. Bongo, Pusiga and Chiana water systems are currently running on one borehole each.
6. Half of the population in Pusiga, Chiana, Zebilla, and Sandema are not covered.
7. Frequent bursting of pipelines in the first seven systems.
8. High fluoride content in underground water especially in Bongo District
9. Nonpayment of the 5% retention to contractors for physical facilities constructed under the SRWSP by MDAs. The situation if not handled well may lead to some court actions.

### 3.7.7 MITIGATING MEASURES

1. Discussions are under way for WB under the extended AF-SRWSP to address the fluoride problem.
2. The Region is encouraging the M/DAs to pay the 5% retention to contractors under the just ended SRWSP.
3. The region has explored alternative energy source like Solar energy to reduce cost of electricity.

### 3.8 UPPER WEST REGION

During the year under review, the CWSA Upper West Region facilitated the implementation of various Water, Sanitation and Hygiene (WASH) Projects and also participated in the management of five (5) Small Town Water Systems as part of the Agency's reform agenda.

These projects are as follows:

- GoG 20,000 Borehole Project
- Additional Funding-Sustainable Rural Water and Sanitation Project (AF-SRWSP)
- UN Habitat WASH in Disaster-Prone Communities (DPCs)
- UNICEF-GoG Assisted WASH Project

#### 3.8.1 REGIONAL COVERAGE

The region as at the end of the year under review had a water coverage of 74.37% compared to the 2017 water coverage which stood at 74.85%. Comparing the two there is a decrease by 0.48% within a one year period.

### 3.8.2 PROGRESS OF SPECIFIC REGIONAL PROJECTS

Table 3-31: showing Status of Projects in the Upper West Region for 2018

Project Name(s)/ Funding Source/ Duration	Amount Received or Transferred Through the Region to Date GH¢	Overall Project Target	Cumulative Achievement (Since Project Inception)	Reporting Quarter Target	Reporting Quarter Achievement	Remarks/ Challenges
GoG 20,000 Borehole Project	208,000.00	122 no. boreholes to be drilled and installed with handpumps	116 no. boreholes successfully drilled, 86 pads constructed with 86 handpumps installed	-	-	Pads construction not awarded and Hands pumps yet to be delivered
Additional Financial Sustainable Rural Water and Sanitation Project (AF - SRWSP)	Disbursement by HQ	Rehabilitation and expansion of Lambussie and Hamile -Happa	Contracts for the rehabilitation and expansion of two (2) Small Towns Piped Water Systems in Lambussie District	Contractors introduced to Sites	Work Commenced	
		Source of establishment for ten (10) Small Town Water System	Drilling of sources for ten (10) Small Town Piped Water systems in five (5) Districts signed	Contract Documents Prepared and contract Agreement Signed and Contractors introduced to Sites	Work Commenced	
		Construction of 250 boreholes in 11 districts	Construction of 250 boreholes in 11 districts			



Project Name(s)/ Funding Source/ Duration	Amount Received or Transferred Through the Region to Date GH¢	Overall Project Target	Cumulative Achievement (Since Project Inception)	Reporting Quarter Target	Reporting Quarter Achievement	Remarks/ Challenges
UNICEF - Assisted WASH Project	337,423.11	Hygiene and sanitation promotion in 120 communities	Inception meeting held and about 99 field facilitators and 22 DICCS members oriented.	99 field facilitators and 22 DICCS members to be oriented.	Monitoring of activities of field staff	
		Preparation of Water Safety Plans	2 No. Water Safety Plans Prepared and implemented for the Jeffisi and Gwollu Communities in the Sissala West District	Water Safety Plans prepared and implemented	Water Safety Plans prepared and implemented on on-going	Monitoring of construction activities will continue in the next quarter
	991,778.35	Construction of 147 No. Institutional Latrines in Schools in Disaster Prone communities of the Upper West Region	132No. Institutional Latrines completed and 53 No rehabilitated		60% complete	

### 3.8.3 HUMAN RESOURCE MANAGEMENT

Capacity building for the Regional Office Staff

#### b. Relevant Personnel Issues

**Table 3.32: Regional Staff and their Designation**

No.	Name	Designation
1	Dodji Messan Attiogbe	Regional Director
2	Melvin Tagoe	Principal Engineer
3	Thomas Ntori	Engineer
4	Eric Koffie	Senior Hydrogeologist
5	Suubil Naamtii	Information Technology Specialist
6	Cletus Bapuogyang	Senior Extension Services Specialist
7	Emmanuel Ato Quansah	Senior Extension Services Specialist
8	Emmanuel Oppong	Senior Regional Accountant
9	Japheth Kansaana Tierong	Assistant Accountant
10	Matilda Jatoe	Confidential Secretary
11	Rebecca Boakye-Yeboah	Administrative Manager
12	John Alarse Nsobila	Senior Office Assistant
13	Titus Ninnang	Transport Management Assistant
14	Kwame Alube	Senior Driver
15	Emmanuel Balua	Driver
16	Dauda Faara	Security Guard
17	Maxwell Abukari	Security Guard

#### CWSA Upper West Region System Staff in 2018

Head Office appointed a second batch of water system staff for six systems and posted them to the Region in October. The region had a total Water Systems staff of eighty-two (82) which comprised forty (40) WSMS and forty-two (42) auxiliary staff

However, the System Manager of Tumu Water System and the Technician Engineer of Lawra Water Systems resigned during the quarter under review.

### 3.8.4 FINANCE

The region did not receive any funds in respect to GoG subvention to support operations and administrative expenses with the exception of staff salaries. However, the region received funds from various projects which include; Additional Funding - Sustainable Rural Water and Sanitation Project (AF-SRWSP) GH¢473,466.13 and UNICEF GH¢1,140,462.56.

**Table 3.33: Regional Income and Expenditure**

S/No	Performance Criteria	Budget 2018 (Gh¢)	Releases (Gh¢)	Expenditure (Gh¢)	Variance (Gh¢)	Reasons
1	Investment	1,560,000.00	1,480,428.56	904,643.05	575,785.51	Chunk of funds were released at a later part of the year
2	Goods & Services					
	Services	1,215,000.00	1,104,624.23	990,574.00	114,050.23	
	Administration	244,025.00	191,085.40	191,085.40	-	
3	Personnel Emoluments	210,000.00	205,553.38	205,553.38	-	
	<b>Total (Gh¢)</b>	<b>3,229,025.00</b>	<b>2,981,691.57</b>	<b>2,291,855.83</b>	<b>689,835.74</b>	

### 3.8.5 REGIONAL CHALLENGES

The following are some of the challenges faced by the Region in 2018:

1. Delays in the commissioning of dedicated transformers and supply of electric meters by Northern Electricity Distribution Company (NEDCo) to piped water systems.
2. Inadequate vehicles for operations coupled with High operational and maintenance costs of existing vehicles due to the age of the vehicles.
3. Inadequate staff to handle the day to day operations of the Agency
4. Water quality challenges (iron, magnesium, hardness) is prevalent in some localities in the Region.
5. Inadequate finance to expand and rehabilitate water systems to meet growing demand in the communities.
6. Inaccessible roads to some communities impeding access and affecting timely execution of projects particularly during the rainy season.
7. Frequent pipe bursts due to old age of main and distribution networks.
8. Low water tariffs resulting in less revenues from water Systems.

### 3.8.6 MITIGATING MEASURES

1. The region requested CWSA Head Office to provide vehicles for regional activities
2. The region requested CWSA Head Office to increase staff strength to augment existing staff.
3. The region scheduled workplans to ensure that projects were implemented in the dry season than in the raining season which mostly comes with challenges
4. There are negotiations with key stakeholders in the region to standardize tariffs after improvement in water supply through expansion and rehabilitation of Piped Water Systems.

### 3.9 VOLTA REGION

Within the year under review, CWSA-VR continued with its facilitating role in the delivery of water and sanitation facilities and associated services to small towns and rural communities in the Region. The Regional Office also implemented reform activities for six (6) pilot Piped Systems.

Major achievements within the year are as follows:

1. Facilitated O&M Refresher Training for 21 WSMTs in Wawaso and Dapaa Junction under Unicef Project.
2. Facilitated CWSA Board of Directors visit to the Region.
3. Monitored Akvo flow baseline data collection of rural and small towns water facilities in six (6) districts namely; Ho West, Kadjebi, Biakoye, Ho Municipal, Kpando and North Dayi under UNICEF/GoG Project.
4. Monitored the pilot of water quality testing survey with Akvo Caddisfly in two (2) districts namely; Ho West and Kadjebi under UNICEF/GoG Project.
5. The newly constructed small town water systems under the Ghana-Spain Debt Swap for Development Programme at Akpokope/ Batume Junction and Ziope are practically completed and handed over to CWSA-VR.

#### 3.9.1 REGIONAL COVERAGE

The region's rural and small towns water coverage as at the end of the year under review was 64.42% compared to that of 2017 which stood at 64.64%. This implies that, there is a decrease by 0.22% within a period of one year.

### 3.9.2 PROGRESS OF SPECIFIC REGIONAL PROJECTS

Table 3.34: Status of Projects in the region as at December.

Name of Project	Amount Received or Transferred Through the Region to Date	Overall Project Target For Region	Cumulative Achievement (Since Project Inception to End of Year)	Reporting Quarter's Target	Reporting Quarter's Achievements	Remarks / Challenges
TRAGSA Water Supply Improvement Project (WSIP) under the Ghana-Spain Debt Swap for Development Programme (DSDP)	GH¢ 1,314,558.28	Provision and improvement of water supply in 35 localities in 4 Districts of the Volta Region.	Contracts were signed on 20 <sup>th</sup> March 2018	Construction is in progress in all the 35 communities	Some high level tanks as well as ground tanks have been completed. Pipelines have been laid and standpipes were also completed.	Delays in payments (by Ministry of Finance/ Spanish Embassy) for works done by the contractors. Systems for Akpokope/ Batume Junction & Ziope completed
GoG Rural Water Supply- Kpalime - Tongor	GH¢ 133,930.15	Nil	Mechanization of one (1) Borehole and Installation of Storage Tanks Cost GHS 76,380.00 (Remedial works) and Mgt. fees			
GoG 20,000 BHs  Duration: 6 months  Cost : GH¢ 1,464,000.00		120	92 boreholes successfully drilled 89 hand pumps installed	Management training for communities where handpumps have been installed	NIL	
Damanko/ Kpassa Area Water Supply Scheme	None		Inspection of components of scheme		System staff have been deployed under CWSA Reforms	System is partially operating and serves only two out of the thirteen communities within its catchment area.

### 3.9.3 HUMAN RESOURCE MANAGEMENT

#### Relevant Personnel Issues

- There are three (3) security men at post now who run day and night shifts. The region is yet to recruit a permanent Guest House Keeper.
- Ms. Margaret A. Ayireebi, a Private Secretary who was on study leave in China has reported for duty.
- The Assistant Accountant tendered in his resignation letter on the 20<sup>th</sup> of September, 2018.
- Water Safety Specialist was posted from CWSA Head Office to the region to handle water quality related issues at the Water Systems in the Region.
- One senior Driver went on compulsory retirement in December, 2018. One other senior driver and the Transport Management Assistant are due for retirement in February and April, 2019 respectively. A request has been sent to Head Office to retain them until new drivers are recruited.
- A total of 52 staff were deployed on the 24<sup>th</sup> of May, 2018 to manage 6 Water Systems in Akatsi, Vakpo, Kwamekrom, Adidome, Taviefe and Damanko Kpassa. Out of the 52, 43 reported. The region had monthly meetings with WSMS to address issues associated with pipe management water system.
- The system manager of the Kwamekrom Water System tendered in his resignation letter on the 24<sup>th</sup> of August, 2018.
- Two (2) additional Technicians Engineers were also posted from Head Office to Akatsi and Kwamekrom to augment the staff strength of Water System Management Teams.
- As at the end of the year, the total staff strength of Water System Management staff in the region stands at 42 with 21 auxiliary staff who support the activities of the water system management staff at the six water systems
- As stated in the letter of employment of all Water System staff that they would be appraised after a six-month probationary period, 40 Water System Management staff were appraised by the region in December, 2018. The remaining two (Akatsi and Kwamekrom Technical Engineers) were not appraised because they have not finished serving their probation.

**Table 3.35: Regional Staff and their Designation**

Unit/Location	Positions	Established	Filled	Vacant	Comments/Remarks
Regional Office	Designation				
Management	Regional Director	1	1	0	At post
Administration	Regional Accountant	1	1	0	At post
	Assistant Accountant	1	0	1	Resigned
	Administrative Manager	1	1	0	At post
	Secretary	1	1	0	At Post
Software	Extension Services Specialist	2	2	0	At post
MIS / Technology	IT Specialist	1	1	0	At post
	IT Assistant	0	0	0	
Technical	W & S Engineer	2	2	0	At post
	Hydrogeologist	1	1	0	At post
Support Staff	Drivers	3	3	0	All at post
	Office Assistant	1	1	0	At post
	Guest House Keeper	1	0	1	Vacant
	Security Guards	3	3	0	All are at post
<b>Total</b>		<b>19</b>	<b>17</b>	<b>2</b>	

**Table 3.36: System Level Staff Strength Under the Various Occupational Group**

Water System	Designation	Established	Filled	Vacant	Comments/ Remarks
Adidome	Systems Manager	1	1	0	At Post
	Accounts Officer	1	1	0	At post
	Community Relations	2	1	0	1 at post
	Revenue Officer	3	2	1	One has resigned
	Technician Engineer	2	1	1	1 at post
Akatsi	Systems Manager	1	1	0	At Post
	Accounts Officer	1	1	0	At post
	Community Relations	2	2	0	At post
	Revenue Officers				
	Engineer	5	4	0	1 has vacated post
	Technician Engineer	1	1	0	At post
Damanko Kpassa		2	2	0	All are at post
	Systems Managers	3	2	0	1 Manager has been transferred to Kwamekrom to replace the Manager who resigned in October, 2018
	Accounts Officer	1	0	1	1 Revenue Officer is acting as Accounts Officer
	Community Relations	2	1	1	At Post
	Revenue Officers	4	3	1	
	Technician Engineer	2	2	0	All are at post

Water System	Designation	Established	Filled	Vacant	Comments/ Remarks
Kwamekrom	Systems Manager	1	1	0	At Post
	Accounts Officer	1	1	0	At post
	Community Relations	1	1	0	At post
	Revenue Officers	4	3	1	1 has been transferred to Akatsi
	Technician Engineer	1	1	0	At post
Taviefe	Systems Manager	1	1	0	At Post
	Accounts Officer	1	1	0	At post
	Community Relations	1	1	0	At post
	Revenue Officers	2	2	0	All are at post
	Technician Engineer	1	1	0	At post
Vakpo	Systems Manager	1	1	0	At Post
	Accounts Officer	1	0	1	Did not report
	Community Relations	1	1	0	At post
	Revenue Officers	3	2	1	All are at post
	Technician Engineer	1	0	1	Yet to be replaced
Regional Office	Water Safety Specialist	1	1	0	At post
<b>Total</b>		<b>55</b>	<b>43</b>	<b>12</b>	

**Table 3:37: Water System Management Auxiliary Staff**

Water System	No. of Auxiliary Staff
Adidome	10
Akatsi	5
Damanko Kpassa	4
Kwamekrom	4
<b>Total</b>	<b>21</b>

### 3.9.4 FINANCE

**Table 3.38: Income and Expenditure**

Project	2018 1 <sup>st</sup> Quarter		2018 2 <sup>nd</sup> Quarter		2018 3 <sup>rd</sup> Quarter		2018 4 <sup>th</sup> Quarter		Remarks
	Releases (GH¢)	Expenditure (GH¢)	Releases (GH¢)	Expenditure (GH¢)	Releases (GH¢)	Expenditure (GH¢)	Releases (GH¢)	Expenditure (GH¢)	
UNICEF	16,820.00	94,693.56	0.00	102,917.6	102,199	18,803.51	488,514.08	90,087.85	
TRAGSA	0.00	9,855.40	0.00	9,067.41	0.00	5,504.96	68,300.00	90,281.00	
GoG	-	-	-	-	-	-	-	-	
<b>Total</b>	<b>16,820.00</b>	<b>104,548.96</b>	<b>0</b>	<b>111,985.01</b>	<b>102,199</b>	<b>24,308.47</b>	<b>556,814.08</b>	<b>180,368.85</b>	

Note: There are no approved budgets for the above listed projects, so variances cannot be prepared.



### 3.9.5 REGIONAL CHALLENGES

1. Capacity and resource constraints of DAs for monitoring of WSMTs who are not yet under CWSA management.
2. Delays in payments (by Ministry of Finance/Spanish Embassy) for works done by the contractors under the TRAGSA project.
3. The transformer at Damanko Kpassa System treatment plant is not functioning and therefore the system staff are still relying on the generator set to pump water to the high-level tanks.
4. Delay in the procurement of pumps for Akatsi water supply system affects optimal operation of the System.

### 3.9.6 MITIGATION MEASURES

1. Plans have been put in place to procure a new transformer for the Damanko Kpassa System.
2. Regular stakeholder meetings and engagements are being organized at community, district and regional levels to seek the buy-in of stakeholders.
3. The Region is following up on Head Office on the procurement of the pumps.

## 3.10 WESTERN REGION

The report reviews progress made and all other activities undertaken by the Western Regional office of CWSA in the delivery of water and sanitation services for year 2018. The key activities undertaken in the year under review include;

- Additional Funding - Sustainable Rural Water and Sanitation Project (AF-SRWSP)
- USAID and Rotary International.
- CWSA's Direct Management of Piped Water Systems

### 3.10.1 REGIONAL WATER SUPPLY COVERAGE

Safe rural water supply coverage for the region was 60.31% as at the end of December 2018.

### 3.10.2 PROGRESS OF SPECIFIC WESTERN REGIONAL WASH PROJECTS

#### **Additional Funding - Sustainable Rural Water Supply Project (AF-SRWSP)**

##### A. Water

Asemaneye and Oseikojokrom water systems was selected under the AF-SRWSP to benefit from the repair of leaking tanks and pump installations. Approval for the procurement process commenced in the year. Advertisements, Bid Opening and Bid Evaluation were completed within the year. The region awaits the award of the contract for commencement of works to begin early next year.

## B. Sanitation

Under the AF-SRWSP, the region was expected to enter into 108 communities, achieve ODF in 90 communities, construct 3,350 household (VIP) latrines and five (5) public WC latrines by the close of the project period of December, 2019.

Within the year, One hundred and twelve (112) communities have been entered through community mobilization by the Environmental Health Officers and community leaders in the various districts. Baseline data have been collected in all 112 communities within the ten (10) MDAs and almost all 112 communities have been triggered using the area defecation map approach.

Action plans, bye-laws and community area defecation maps have been drawn by all the communities within the ten districts. ODF basic status has been achieved by Forty-Nine (49) Communities and 1,795 latrines in the selected communities are under various stages of construction.

### **USAID/ROTARY INTERNATIONAL**

The Agency is collaborating with USAID and Rotary International, in implementing water and sanitation projects in seven communities in the Wassa Amenfi Central, East and West Districts. Within the year, seven (7) boreholes were drilled and hand pumps installed on four (4). One borehole is earmarked for mechanisation. There have been some water quality concerns which are being addressed.

### **3.10.3 CAPACITY BUILDING**

There was no capacity building activity undertaken in the region within the reporting period.

### **3.10.4 PARTICIPATION IN THE MANAGEMENT OF PIPED WATER SYSTEMS**

The region started the year with the management of 12 water systems which later increased to 13. The systems were under 6 management units with total staff strength of 56 which comprise 33 WSMS and 23 auxiliary staff.

Initial deployment of staff faced some hiccups at Wassa Akropong and Nanankor/Abreshia. In other areas such as Sefwi Wiawso, the issues were resolved and the staff commenced work. The region sent office equipment in the form of computers, printers and scanners. Also, motor-bikes were sent to the various management units. Orientation sessions were held by Head Office and regional office to kick-start their operations. Periodic visits by regional officers as well as monthly meetings of Water System Managers were instituted to enable the units operate effectively. Baseline data on all systems have been forwarded to the Head Office to give a clear indication of the health status of all the systems.

The year was used to stabilize the systems. It is expected that from next year, targets set would be achieved as we strive to overcome the initial challenges confronting the management and operations of the systems.

**Table 3.39: Current Staff Strength**

No	Staff	STPWSS						Remarks
		Adgyakaa Manso	Asankragwa	Beppoh	Nsuaem	Sefwi Wiawso	Supomu Dunkwa	
1	System Manager	1	0	0	1	0	1	3 System Managers Acting
2	Accountant	1	0	0	1	0	1	3 Accounts Officers Acting
3	Technician/Engineer	1	1	2	1	1	1	
4	Community Relations Officer	1	2	1	1	1	1	
5	Revenue Officer	1	3	1	1	5	2	
6	Auxiliary Staff	3	6	3	2	5	4	
	<b>Total</b>	<b>8</b>	<b>12</b>	<b>7</b>	<b>7</b>	<b>12</b>	<b>10</b>	<b>Grand Total 56</b>

### 3.10.5 HUMAN RESOURCE MANAGEMENT

#### Current Staff Strength

The region has 17 staff at post and 3 auxiliary staff at the regional office. At the water systems level there are 33 WSMS staff and 23 auxiliary staff. The region thus have a total staff strength of 76

**Table 3.40: Regional Staff and their Designation**

No.	Name	Designation
1	Mr. Ofori Maccarthy	Regional Director
2	Mr. Mohammed Kpegla Adama	Principal Information Technology Specialist
3	Ing. Bismark Siabi-Mensah	Principal Water and Sanitation Engineer
4	Mr. Fredrick Oppong	Senior Hydrogeologist
5	Mr. Nkumfo Sulemana	Senior Accountant
6	Mr. Peter Agbo	Water and Sanitation Engineer
7	Ms. Evelyne Fiawornu	Extension Services Specialist
8	Mr. Solomon Debrah	Extension Services Specialist
9	Ms. Comfort Oti Gyamfi	Accountant
10	Mr. Matthew Amoasi	Safeguard Officer
11	Ms. Paulina Kugbee	Assistant Administrative Manager
12	Ms. Gertrude Annan Nunoo	Secretary
13	Ms. Rita Kwaakyi	Office Assistant
14	Mr. Edward Sekyim	Transport Management Assistant
15	Mr. Joseph DeGraft Quainoo	Senior Driver
16	Mr. Sadik Abubakari	Senior Driver
17	Mr. Mortey Richard	Senior Security Guard
18	Mr. Razzak Osman	Security Guard

**Table 3.41: Water Systems Management Staff**

No.	Name of Staff	Position	System
1	Seth Mensah	System Manager	Adjakaa Manso
2	Owen Semebia Amaglo	Accounts Officer	Adjakaa Manso
3	Nathaniel Ato Mensah	Community Relations Officer	Adjakaa Manso
4	Henry Damanka	Engineer	Adjakaa Manso
5	Richard Coffie	Revenue Officer	Adjakaa Manso
6	Yakubu Mohammed	Community Relations Officer	Asankragwa
7	Hope Kwabla Kuedufia	Community Relations Officer	Asankragwa
8	George Asmah	Technician	Asankragwa
9	Frederick Mensah	Revenue Officer	Asankragwa
10	Theresa Amissah	Revenue Officer	Asankragwa
11	Enoch Otoo	Revenue Officer	Asankragwa
12	Benjamin Cobbina	Community Relations Officer	Beppoh/Insu Siding/Jappa
13	Ebenezer McHagan	Engineer	Beppoh/Insu Siding/Jappa
14	Samuel Otoo-Stevens	Technician	Beppoh/Insu Siding/Jappa
15	Samuel Arthur	Revenue Officer	Beppoh/Insu Siding/Jappa
16	Theophilus Abakah	Revenue Officer	Nsuaem
17	Paul Donkor	System Manager	Nsuaem
18	Seth Launoe Debon	Accounts Officer	Nsuaem
19	Faika Ibrahim	Community Relations Officer	Nsuaem
20	Stephen Ahlidzah	Technician	Nsuaem
21	Emmanuel Assifuah	Community Relations Officer	Sefwi Wiawso/Amafie/Nsawora
22	Jacob Ewusie	Technician	Sefwi Wiawso/Amafie/Nsawora
23	Abraham Owusu Papoose	Revenue Officer	Sefwi Wiawso/Amafie/Nsawora
24	Daniel Amofo	Revenue Officer	Sefwi Wiawso/Amafie/Nsawora
25	Eva Jonah	Revenue Officer	Sefwi Wiawso/Amafie/Nsawora
26	Christopher Yeboah	Revenue Officer	Sefwi Wiawso/Amafie/Nsawora
27	Isaac Eghan	Revenue Officer	Sefwi Wiawso/Amafie/Nsawora
28	Mordzo Kenneth Dzidefo	System Manager	Supomu Dunkwa/Ekutuase/Atobiase
29	Edward Obeng Asare	Accounts Officer	Supomu Dunkwa/Ekutuase/Atobiase
30	Victoria Ofosua	Community Relations Officer	Supomu Dunkwa/Ekutuase/Atobiase
31	Eric Chrisford Mensah	Technician	Supomu Dunkwa/Ekutuase/Atobiase
32	Suleman Mohammed	Revenue Officer	Supomu Dunkwa/Ekutuase/Atobiase
33	Shadrack Oduro	Revenue Officer	Supomu Dunkwa/Ekutuase/Atobiase

### 3.10.6 RELEVANT PERSONNEL ISSUES

#### Recruitment

Mr. Matthew Amoasi was engaged as a Water Safety Specialist and posted to the region. Thirty-three (33) water systems staff of various disciplines were engaged after the recruitment exercise held in 2017. Also, 23 auxiliary staff such as plumbers, security staff among others were recruited to support the staff engaged.

### 3.10.7 FINANCE

Table 3.42: Budget and Expenditure

Performance Criteria	Unit of Measure	Target/ Budget	Expenditure	Reasons for Variations between targets and achievements/ other useful remarks
<b>Financial/Economic Indicators</b>				
<b>Investments</b>	GHC			
GoG				
Donor - SRWSP (ST)				
Donor - SRWSP KVIP)				
<b>Service</b>	GHC			
GoG				
Donor-SRWSP PO/CWSA-WR		646,000.42	95,000.25	Expenditure based on Approved Quarterly Budget
Donor2-HSP				
Donor3-Water Consultancy				
<b>Administration</b>	GHC			
GoG		112,000.00	629,000.89	Funded from Management fee
Donor		130,000.00	171,000.87	
<b>Personnel Emolument</b>	GHC			Includes Basic Salary, Allowances, Gratuity & Pension and SSF (13%) for the quarter (projected)
GoG	GHC	595,000.00	665,000.16	
Donor	GHC			
<b>Total</b>	GHC	<b>1,483,000.42</b>	<b>1,560,002.17</b>	

The Region did not receive any funding for *investment and service activities* within the year. All contracts are district based and for that matter, all funds are transferred from Head Office to MMDAs Project Accounts.

### **3.10.8 REGIONAL CHALLENGES**

1. Late arrival of service meters affected the achievement of targets as several customers enjoyed flat rates hindering maximum revenue generation.
2. Most of the systems were running on single pumps and enough water could not be produce to serve the target population during breakdowns.
3. Private sector technical staff such as pump specialists are few in the region.
4. There was no GoG fund release to cover administrative costs for the year.
5. Most small towns systems not being managed by CWSA are in financial distress (High electricity debts). A decision to take on these systems will depend on availability of enough financial resources to clear their huge outstanding bills.

### **3.10.9 MITIGATION MEASURES**

- A financial request has been made to the Head Office to address pump related issues.
- The region has reached out to pump specialists for assistance.

## 4.0

## MAJOR CHALLENGES OF CWSA IN 2018

The major challenges encountered by the Agency during the year are presented below.

### WATER SAFETY CONCERNS

Water pollution is one major challenge in the operations of the Agency and poses a high risk for water safety, and contributes to numerous public health challenges in rural communities and small towns. It has been estimated that, about 33% of Ghana's groundwater resources have high levels of iron, manganese, arsenic, fluoride, hardness and bacteriological contamination beyond the acceptable standards set by the Ghana Standards Authority (GSA) for drinking water supply. Similarly, according to the Multiple Indicator Cluster Survey (MICS) Report published in 2017/18, only 7% of water supplies in rural communities and small towns meet the safely managed standards per SGD 6. The community ownership and management (COM) does not provide any opportunity for changing this trend hence the reform in CWSA. The Agency under her current policy reforms employed skilled professionals and injected innovations in the water supply chain to maintain improved water service delivery. CWSA has temporarily engaged Water Safety Specialists at the Regional Offices and on some of the complex water systems to maintain water safety. If policy reforms become successful, 80% water safety is expected to be achieved by the end of 2030.

### HIGH INDEBTEDNESS OF WATER SYSTEMS TO ELECTRICITY PROVIDERS

High indebtedness by community managed water systems to electricity companies has made it impossible to provide uninterrupted water services. The breakdown of outstanding electricity bills by the 90 water systems currently managed by CWSA prior to the Agency's intervention, is as follows;

- In Northern Region, 7 water systems owed GH¢ 1,133,717.81 to NEDCo.
- In the Volta Region, 6 water systems owed GH¢ 558,431.75 to ECG.
- In the Greater Accra Region, 3 water systems owed GH¢ 798,022.29 to ECG.
- In the Western Region, 13 water systems owed ECG GH¢ 258,500.00 to ECG.

The situation is similar in all the other regions. In summary, 90 water systems owed outstanding electricity bill of GH¢ 3,322,900.71 to NEDCo and ECG. There are several water systems which have been disconnected because of the high outstanding electricity bills. CWSA negotiated with electricity providers and some payments plans have been agreed on. The Agency is also exploring alternative energy sources like solar and use of energy efficient submersible pumps to reduce cost.

## **HIGH NON-REVENUE WATER**

The deficit between water production and distribution, termed unaccounted for water (or Non-revenue water) is high as 60% on water systems. Many of the water consumers are not metered, and in situations where water meters are provided, they are not standardized. There is no central system for calibration to provide standard measurements across all the communities. These are technical matters that require solution by a technical organization. CWSA has therefore taken the necessary steps to set up technical units to deal with these challenges. In the meantime, household meters and bulk meters have been supplied to the various piped water systems under CWSA management.

## **HIGH INDEBTEDNESS BY CUSTOMERS TO THE WATER SYSTEMS**

Many customers, including public institutions, such as police service, schools and health facilities continue to owe water bills. This phenomenon was a major weakness of the COM concept and its practices which affected the sustainability of the water systems. The Agency has engaged key stakeholders on this issue and some payments have been made in that regard and recovery is still ongoing.



# 5.0

## FUTURE DIRECTION OF THE AGENCY

The future operations of CWSA drives inspiration from the Vision and Mission of the Agency as spelt out in the SIP. The Agency intends to increase rural water coverage from 62.13% in 2017 to 70% by end of 2019 and also to participate in the management of 200 small town water systems nationwide by end of 2019.

CWSA will continue to collaborate with key stakeholders like the Government of Ghana, Development Partners and Non Governmental Organisations to facilitate the provision of sustainable WASH facilities.

### INCOME AND EXPENDITURE PROJECTIONS FOR 2019

Table 5.1 illustrates the income and expenditure outlay for the year 2019 as stipulated in the SIP with a budget of GH¢ 269,814,078. The income is expected from Revenue from sale of water, Other Income (internally generated funds, GoG releases and 2% Rural water levy from GWCL. The income and expenditure estimates based on the budget shows a deficit of GH¢ 12,941,770.

**Table 5.1: Income and Expenditure Projections for 2019**

NO	DESCRIPTION ITEM	QTY	GOG/REFORMS AMOUNT (GH¢)	DONOR AMOUNT (GH¢)	TOTAL AMOUNT(GH¢)
1	<b>INCOME</b>				
2	Revenue from sale of water systems		24,861,854		24,861,854
3	Other income		1,458,418		1,458,418
4	GoG Releases		37,395,719		37,395,719
5	2% GWCL		12,334,824		12,334,824
6	<b>Income before Donor Funding</b>		<b>76,050,815</b>	<b>0</b>	<b>76,050,815</b>
7	Donor Funding			180,821,493	180,821,493
8	<b>Total Income including Donor Funding</b>		<b>76,050,815</b>	<b>180,821,493</b>	<b>256,872,308</b>
9	<b>EXPENDITURE</b>				
10	<i>Compensation of Employees</i>				
11	Head Office & Regional Staff (233 staff)	233	6,698,885		6,698,885
12	Water Systems Management Staff (715 water systems & auxiliary staff)	715	14,833,487		14,833,487
13	<b>Total Compensation</b>		<b>21,532,372</b>	<b>0</b>	<b>21,532,372</b>
14	<b>Use of Goods &amp; Services</b>				
15	<b>Head Office &amp; Regional Office</b>				
16	Utilities		699,439		699,439
17	General Cleaning		117,793		117,793
18	Materials and Office Consumables		804,292		804,292
19	Rental		693,381		693,381
20	Travel and Transport		1,534,926		1,534,926
21	Minor repairs and maintenance of building and equipment		599,826		599,826

NO	DESCRIPTION ITEM	QTY	GOG/REFORMS AMOUNT	DONOR AMOUNT	TOTAL AMOUNT
22	Training, Workshops and Conferences		427,728		427,728
23	Consultancy Expenses		70,386		70,386
24	Other Charges and Fees		687,431		687,431
25	Employer Social Benefits		865,214		865,214
26	Annual Review Conference		201,184		201,184
27	Twentieth Anniversary		242,500		242,500
28	Monitoring and Evaluation		587,434		587,434
29	Institutional strengthening and Project Management-SRWSP-AF			16,415,000	16,415,000
30	Audit Fees		40,000	60,000	100,000
31	<b>Sub-total</b>		<b>7,571,534</b>	<b>16,475,000</b>	<b>24,046,534</b>
32	<i>Water System Level</i>				
33	Costs of water systems operations @ GHS7,000.00 per month for 100 systems		8,400,000		8,400,000
34	Vendors Commission		1,708,552		1,708,552
35	Utilities		5,662,500		5,662,500
36	<b>Sub-Total</b>		<b>15,771,052</b>	<b>0</b>	<b>15,771,052</b>
37	<b>Total Goods and Services</b>		<b>23,342,586</b>	<b>16,475,000</b>	<b>39,817,586</b>
38	<b>INVESTMENTS</b>				
39	<b>Head Office and Regional Level</b>				
40	Rehabilitation of 33 Pipe Systems in 10 regions	33	33,007,776		33,007,776
41	Construction of CWSA Volta Region Office	1	6,300,000		6,300,000
42	Completion of Asemanaye and Oseikojo krom Pipe water supply systems	1		1,500,000	1,500,000
43	Feasibility studies and designs for water systems in small towns and rural communities in fluoride prone communities in Upper East Region	1		781,069	781,069
44	Point Sources-Drilling and supervision of Boreholes	250		7,500,000	7,500,000
45	Drilling of 30 boreholes for 10 small towns pipe works design in Upper West	30		565,675	565,675
46	Construction of Pipe water supply systems. 5 in BA, 7 in NR & 2 in UWR	14		59,181,397	59,181,397
47	Connection to GWCL Pipeline in Central Region	9		63,606,857	63,606,857
48	Construction of 20,000 household latrines	20,000		24,473,494	24,473,494
49	Construction/Supervision of Institutional / Public latrines	6		1,290,000	1,290,000
50	Payment for Construction of fully reticulated small towns pipe systems-Spanish Govt Debt Swap-VR	12		3,627,000	3,627,000
51	Payment for Construction of Limited Mechanised Systems-Spanish Govt Debt swap-VR	6		1,821,000	1,821,000
52	Manual Water Meters(9,000 meters@ghs173.00each)	9,000	1,557,000		1,557,000
53	Bulk Meters (150 meters @ Ghs1,069.00each)	150	160,350		160,350
54	Vehicle (4x4 Pickup)	15	2,250,000		2,250,000
55	<b>Sub-total</b>		<b>43,275,126</b>	<b>164,346,493</b>	<b>207,621,619</b>
56	<b>Water Systems Management Level</b>				
57	Desktop Computer Accessories	25	140,000		140,000
58	UPS	25	50,000		50,000
59	Printers	25	375,000		375,000
60	Scanners	25	15,000		15,000
61	Motor bikes	25	112,500		112,500

	DESCRIPTION		GOG/REFORMS	DONOR	TOTAL
NO	ITEM	QTY	AMOUNT	AMOUNT	AMOUNT
62	Photocopiers	25	150,000		150,000
63	<b>Sub-Total</b>		<b>842,500</b>	<b>0</b>	<b>842,500</b>
64	<b>Total Investments</b>		<b>44,117,626</b>	<b>164,346,493</b>	<b>208,464,119</b>
65	<b>Total Expenditure (PE, Goods &amp; Services and Investment)</b>		<b>88,992,585</b>	<b>180,821,493</b>	<b>269,814,078</b>
66	<b>EXCESS/(DEFICIT) OF EXPENDITURE OVER INCOME</b>		<b>-12,941,770</b>	<b>0</b>	<b>-12,941,770</b>



## 6.0

# CONCLUSION

It is certain that, the WASH sub-sector requires huge investments to attract the needed human capital and infrastructure towards achieving the government Water for All Agenda and the SDG 6. The staff and management of CWSA will continue to work towards the achievement of the Agency's mandate. This will translate into improving the socio-economic well-being of rural and small town dwellers in Ghana.





## **APPENDIX 1:**

### **NATIONAL COVERAGE STATISTICS - POTABLE WATER (COMMUNITY BASED WATER SYSTEMS)**



# 2018

## National Coverage Statistics Safe Water (Community Based Water Systems)

	No Of Communities Population	F a c i l i t i e s										Population Group Served			RURAL Coverage	
		BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage	
ASHANTI	3,041	4,024,235	5,192	247	0	32	219	3	22	811	84,473	1,049,569	495,777	713,309	2,343,939	58.25%
BRONG AHAFO	3,555	2,389,580	3,416	427	2	59	137	0	0	2,926	115,195	508,216	310,345	642,997	1,579,679	66.11%
CENTRAL	3,597	2,567,949	2,192	457	12	51	8	79	192	4,079	80,931	554,285	399,836	609,478	1,648,609	64.20%
EASTERN	3,331	2,421,610	2,970	1,142	0	35	3	15	0	2,205	114,518	616,286	282,451	351,635	1,367,095	56.45%
GREATER ACCRA	1,104	944,837	521	103	8	7	3	0	53	1,343	39,138	273,675	113,374	155,775	583,305	61.74%
NORTHERN	4,227	2,932,534	4,730	597	2	45	83	0	54	3,163	139,553	961,997	269,640	413,148	1,787,501	60.95%
UPPER EAST	2,193	1,472,879	2,879	512	0	23	17	0	0	390	56,347	722,300	134,070	57,369	970,476	65.89%
UPPER WEST	1,152	884,197	2,139	0	2	22	27	0	0	308	45,574	404,640	145,864	61,184	657,570	74.37%
VOLTA	3,336	2,311,802	2,566	56	76	60	27	9	175	987	108,698	692,721	336,003	350,908	1,489,317	64.42%
WESTERN	1,832	1,818,645	1,868	452	24	47	2	0	0	1,370	38,480	420,825	263,959	358,130	1,082,764	59.54%
<b>T O T A L</b>	<b>27,368</b>	<b>21,768,268</b>	<b>28,473</b>	<b>3,993</b>	<b>126</b>	<b>381</b>	<b>526</b>	<b>106</b>	<b>496</b>	<b>17,582</b>	<b>822,907</b>	<b>6,204,514</b>	<b>2,751,319</b>	<b>3,713,933</b>	<b>13,510,255</b>	<b>62.06%</b>





# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



ASHANTI Region	No Of Communities	Total Population	Facilities										Population Group Served			RURAL Coverage			
			BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage			
ADANSI ASOKWA DISTRICT	87	108,041	176	2	0	0	1	0	0	0	0	0	0	1,173	35,206	10,400	9,487	56,266	52.08%
ADANSI NORTH DISTRICT	34	61,791	101	0	0	0	2	0	0	0	0	0	0	918	13,680	16,387	11,072	42,057	68.06%
ADANSI SOUTH DISTRICT	185	140,674	187	29	0	0	0	0	0	1	0	0	0	4,023	53,846	5,412	12,263	75,544	53.70%
AFIYA-KWABRE NORTH DISTRICT	30	49,776	136	0	0	0	0	1	0	0	0	0	45	388	11,414	15,254	14,588	41,689	83.75%
AFIYA-KWABRE SOUTH DISTRICT	47	96,199	114	0	0	0	1	0	0	0	0	0	0	262	20,407	14,258	4,800	39,727	41.30%
AHAFO ANO NORTH MUNICIPAL	122	101,189	93	30	0	0	1	15	0	0	0	0	0	5,869	26,588	14,166	5,057	51,680	51.07%
AHAFO ANO SOUTH WEST DISTRICT	131	94,605	154	5	0	0	1	0	0	0	0	0	0	5,957	32,509	6,400	10,251	55,117	58.26%
AHAFO-ANO SOUTH EAST DISTRICT	77	71,704	115	0	0	0	1	0	0	0	0	0	0	3,033	25,327	10,000	6,817	45,177	63.00%
AKROFUOM DISTRICT	80	63,236	78	38	0	0	0	1	0	0	0	0	0	971	31,019	800	6,432	39,222	62.02%
AMANSIE CENTRAL DISTRICT	211	143,178	268	17	0	0	1	0	0	0	0	0	40	3,795	73,995	14,000	13,273	105,103	73.41%
AMANSIE SOUTH DISTRICT	109	105,974	205	5	0	0	0	12	0	0	0	0	0	3,600	45,750	17,000	2,000	68,350	64.50%
AMANSIE WEST DISTRICT	66	85,928	139	2	0	0	2	2	0	0	0	0	0	903	31,519	17,700	0	50,122	58.33%
ASANTE AKIM CENTRAL MUNICIPAL	52	71,753	123	0	0	0	0	0	0	0	0	0	0	1,371	23,195	10,280	8,000	42,846	59.71%
ASANTE AKIM NORTH DISTRICT	60	97,390	132	0	0	0	0	0	0	0	0	0	0	2,977	22,561	10,870	10,000	46,408	47.65%
ASANTE AKIM SOUTH MUNICIPAL	161	188,677	514	10	0	0	5	7	1	0	0	0	0	4,177	72,367	47,732	38,732	163,008	86.40%
ASOKORE MAMPONG MUNICIPAL	13	392,702	21	0	0	0	0	2	0	9	0	0	0	0	0	2,553	167,748	170,301	43.37%
ATWIMA MPONUA DISTRICT	301	184,310	438	22	0	0	1	13	1	1	0	0	78	15,342	88,801	23,420	18,340	145,981	79.20%
ATWIMA NWABIAGYA MUNICIPAL	47	102,196	81	1	0	0	0	0	0	0	0	0	63	1,865	20,038	10,442	46,718	79,126	77.43%
ATWIMA NWABIAGYA NORTH	117	113,475	206	0	0	0	0	2	0	2	0	0	137	5,112	37,652	21,846	26,535	91,282	80.44%
ATWIMA-KWANWOMA DISTRICT	69	118,748	142	18	0	0	1	9	0	0	0	0	0	1,024	30,615	18,500	11,250	61,389	51.70%
BEKWAI MUNICIPAL	115	158,097	225	9	0	0	4	4	1	0	0	0	48	2,581	52,352	33,214	36,151	124,346	78.65%
BOSOME FREHO DISTRICT	90	73,275	171	5	0	0	0	6	0	0	0	0	0	2,180	39,623	9,900	0	51,703	70.56%
BOSOMITWE DISTRICT	69	112,022	144	1	0	0	2	8	0	0	0	0	0	895	34,248	22,097	11,880	69,120	61.70%
EJSU MUNICIPAL	40	111,204	65	12	0	0	2	23	0	0	0	0	0	498	10,885	13,100	20,454	44,937	40.41%



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## National Coverage Statistics Potable Water (Community Based Water Systems)



ASHANTI Region	No Of Communities Population		Facilities										Population Group Served			RURAL Coverage	
		Total	BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage	
EJURA-SEKYEDUMASI MUNICIPAL	101	135,029	144	0	0	0	0	0	2	0	3,607	25,961	10,841	72,164	112,573	83.37%	
JUABEN MUNICIPAL	44	71,171	78	4	0	1	8	0	0	211	1,154	15,047	13,436	13,243	43,091	60.55%	
KWABRE EAST MUNICIPAL	48	151,105	136	11	0	1	43	0	0	0	280	22,655	21,172	32,827	76,934	50.91%	
MAMPONG MUNICIPAL	47	62,036	50	1	0	3	3	0	2	0	0	14,258	11,324	7,778	33,360	53.78%	
OBUASI MUNICIPAL	61	234,212	122	5	0	0	10	0	5	0	886	18,718	12,400	39,068	71,072	30.35%	
OFFINSO MUNICIPAL	66	76,670	99	2	0	0	32	0	0	73	648	26,246	10,800	2,800	40,567	52.91%	
OFFINSO NORTH DISTRICT	69	54,278	61	2	0	0	9	0	0	0	912	15,843	6,100	1,900	24,755	45.61%	
SEKYERE AFRAM PLAINS DISTRICT	66	33,939	52	0	0	0	0	0	0	0	1,696	13,184	1,600	0	16,480	48.56%	
SEKYERE CENTRAL DISTRICT	101	98,648	113	6	0	1	4	0	0	116	2,421	23,391	6,400	15,921	48,249	48.91%	
SEKYERE EAST DISTRICT	40	54,972	91	6	0	0	2	0	0	0	1,175	14,662	10,837	2,000	28,674	52.16%	
SEKYERE KUMAWU DISTRICT	29	83,171	45	0	0	0	1	0	0	0	736	8,138	6,800	300	15,974	19.21%	
SEKYERE SOUTH DISTRICT	56	122,860	173	4	0	1	2	0	0	0	2,044	17,869	18,336	33,460	71,709	58.37%	
<b>TOTAL</b>	<b>3,041</b>	<b>4,024,235</b>	<b>5,192</b>	<b>247</b>	<b>0</b>	<b>32</b>	<b>219</b>	<b>3</b>	<b>22</b>	<b>811</b>	<b>84,473</b>	<b>1,049,569</b>	<b>495,777</b>	<b>713,309</b>	<b>2,343,939</b>	<b>58.25%</b>	



# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



BRONG AHAFO Region	No Of Communities	Total Population	Facilities										Population Group Served			RURAL Coverage			
			BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage			
ASUNAF0 NORTH	278	176,255	239	40	0	4	1	0	0	0	0	0	317	13,697	37,847	12,152	60,013	124,026	70.37%
ASUNAF0 SOUTH	196	93,121	181	34	0	3	13	0	0	0	0	0	346	8,716	28,835	5,200	24,773	67,870	72.88%
ASUTIFI NORTH	147	77,548	78	88	0	2	13	0	0	0	0	0	264	6,164	17,615	6,780	20,141	50,964	65.72%
ASUTIFI SOUTH	110	49,292	43	26	0	3	14	0	0	0	0	0	124	3,605	7,559	2,300	19,162	32,750	66.44%
ATEBUBU-AMANTIN	175	113,809	161	0	0	3	0	0	0	0	0	0	0	4,707	23,505	16,307	42,596	87,115	76.54%
BANDA	31	37,267	67	0	1	0	6	0	0	0	0	0	39	0	9,321	10,000	7,744	27,104	72.73%
BEREKUM	87	84,832	151	8	0	4	3	0	0	0	0	0	0	2,427	24,339	17,564	14,425	58,755	69.26%
DORMAA EAST	131	53,293	82	12	0	0	7	0	0	0	0	0	328	5,198	10,251	5,200	0	20,977	39.36%
DORMAA MUNICIPAL	86	71,828	140	11	0	0	24	0	0	0	0	0	114	4,254	26,497	12,610	0	43,475	60.53%
DORMAA WEST	133	45,552	60	23	0	1	7	0	0	0	0	0	182	3,711	9,196	5,700	6,177	24,966	54.81%
JAMAN NORTH	47	111,059	149	1	0	3	0	0	0	0	0	0	60	1,391	12,258	18,600	44,850	77,159	69.48%
JAMAN SOUTH	101	119,142	204	1	0	6	0	0	0	0	0	0	0	4,314	26,009	37,599	31,974	99,896	83.85%
KINTAMPO MUNICIPAL	86	125,037	133	1	0	4	0	0	0	0	0	0	38	1,701	24,102	11,864	57,355	95,060	76.03%
KINTAMPO SOUTH	119	92,165	163	1	0	2	1	0	0	0	0	0	0	2,492	32,868	12,229	8,897	56,486	61.29%
NKORANZA MUNICIPAL	118	103,731	113	3	0	5	0	0	0	0	0	0	112	3,506	18,726	9,979	40,656	72,979	70.35%
NKORANZA NORTH	67	79,650	129	9	0	1	0	0	0	0	0	0	27	333	21,505	18,208	4,400	44,473	55.84%
PRU	278	143,545	226	4	0	2	0	0	0	0	0	0	0	3,878	30,555	12,983	44,662	92,078	64.15%
SENE EAST	91	45,358	87	0	1	1	0	0	0	0	0	0	107	3,245	5,465	7,499	8,188	24,504	54.02%
SENE WEST	147	71,608	148	0	0	1	0	0	0	0	0	0	165	3,050	11,600	21,849	12,194	48,858	68.23%
SUNYANI MUNICIPAL	104	30,561	68	23	0	0	0	0	0	0	0	0	63	5,945	7,610	3,800	0	17,418	56.99%
SUNYANI WEST	193	68,507	104	13	0	0	25	0	0	0	0	0	163	8,569	15,076	3,400	3,500	30,708	44.82%
TAIN	179	161,009	210	0	0	3	0	0	0	0	0	0	102	4,417	27,307	15,200	44,175	91,201	56.64%
TANO NORTH	114	96,359	119	31	0	2	1	0	0	0	0	0	128	5,620	21,265	3,400	32,455	62,868	65.24%
TANO SOUTH	93	69,894	85	23	0	2	0	0	0	0	0	0	132	3,670	16,734	6,600	29,855	56,991	81.54%



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## National Coverage Statistics Potable Water (Community Based Water Systems)



BRONG AHAFO Region	No Of Communities	Total Population	F a c i l i t i e s										RURAL Coverage				
			BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75 - 299	300 - 4999	2000 - 5000 and Over	RURAL Population Served	RURAL Coverage			
TECHIMAN MUNICIPAL	212	81,643	82	56	0	1	13	0	0	0	0	6,508	20,469	6,477	1,000	34,504	42.26%
TECHIMAN NORTH	95	66,590	73	19	0	3	9	0	0	0	0	2,543	8,949	10,985	24,339	46,816	70.30%
WENCHI	137	120,925	121	0	0	3	0	0	0	0	65	1,534	12,753	15,860	59,466	89,678	74.16%
<b>T O T A L</b>	<b>3,555</b>	<b>2,389,580</b>	<b>3,416</b>	<b>427</b>	<b>2</b>	<b>59</b>	<b>137</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,926</b>	<b>115,195</b>	<b>508,216</b>	<b>310,345</b>	<b>642,997</b>	<b>1,579,679</b>	<b>66.11%</b>



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## National Coverage Statistics Potable Water (Community Based Water Systems)



CENTRAL Region	No Of Communities Population	F a c i l i t i e s										Population Group Served			RURAL Coverage		
		BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage		
ABURA ASEBU KWAMANKESE	263	123,676	175	13	0	4	2	2	2	26	665	6,149	43,734	28,116	25,399	104,063	84.14%
AGONA EAST	242	101,790	129	23	0	1	0	0	8	1,521	7,547	14,755	7,143	20,195	51,161	50.26%	
AGONA WEST	248	204,215	43	12	0	0	0	0	19	209	3,064	13,488	9,839	121,704	148,304	72.62%	
AJUMAKO ENYAN ESSIAM	188	137,119	136	18	0	1	1	0	28	282	5,766	40,339	29,485	45,383	121,255	88.43%	
ASIKUMA ODOBEN BRAKWA	512	139,986	204	25	3	5	4	0	1	668	9,289	28,351	29,438	30,563	98,309	70.23%	
ASSIN FOSO	110	132,940	113	23	0	4	0	0	0	108	3,458	28,604	24,515	40,634	97,319	73.21%	
ASSIN NORTH	183	135,296	173	22	2	5	1	0	0	54	3,885	40,115	25,367	22,158	91,579	67.69%	
ASSIN SOUTH	225	154,925	241	29	2	9	0	0	0	69	7,919	42,231	46,690	22,009	118,918	76.76%	
AWUTU SENYA	133	138,108	82	14	0	1	0	0	24	0	7,558	27,999	7,425	75,172	118,154	85.55%	
AWUTU SENYA EAST	19	65,658	7	4	0	0	0	0	4	0	468	1,946	10,534	48,118	61,066	93.01%	
CAPE COAST	59	142,889	19	6	0	0	0	0	0	0	629	3,945	2,200	1,400	8,174	5.72%	
EFFUTU MUNICIPAL	13	9,343	3	1	0	0	0	0	0	0	0	1,372	0	0	1,372	14.68%	
EKUMFI	57	73,470	30	0	0	0	0	0	10	50	407	14,587	6,590	14,841	36,475	49.65%	
GOMOA CENTRAL	44	83,235	37	72	0	0	0	30	0	0	636	11,197	13,911	6,175	31,919	38.35%	
GOMOA EAST	50	84,061	37	18	0	0	0	46	0	0	544	10,171	4,025	6,075	20,815	24.76%	
GOMOA WEST	80	153,093	50	83	0	0	0	0	0	0	540	20,626	9,600	3,400	34,166	22.32%	
KOMENDA EDINA EGUAFU ABIREM	126	128,826	72	27	1	1	0	0	51	134	2,704	40,437	64,316	10,128	117,719	91.38%	
MFANTSEMAN	92	99,238	46	5	0	2	0	1	20	0	3,277	22,278	12,312	42,964	80,831	81.45%	
TWIFO ATTI MORKWA	393	134,528	188	33	2	1	0	0	0	105	7,369	45,448	17,657	0	70,579	52.46%	
TWIFO HEMANG LOWER DENKYIRA	362	101,862	110	16	0	5	0	0	0	162	3,570	25,204	14,808	10,705	54,449	53.45%	
UPPER DENKYIRA EAST	121	139,686	165	10	0	5	0	0	1	52	3,636	43,801	12,262	49,616	109,367	78.29%	
UPPER DENKYIRA WEST	77	84,005	132	3	2	7	0	0	0	0	2,516	33,657	23,603	12,839	72,615	86.44%	
<b>T O T A L</b>	<b>3,597</b>	<b>2,567,949</b>	<b>2,192</b>	<b>457</b>	<b>12</b>	<b>51</b>	<b>8</b>	<b>79</b>	<b>192</b>	<b>4,079</b>	<b>80,931</b>	<b>554,285</b>	<b>399,836</b>	<b>609,478</b>	<b>1,648,609</b>	<b>64.20%</b>	



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## National Coverage Statistics Potable Water (Community Based Water Systems)



EASTERN Region	No Of Communities	Total Population	Facilities										Population Group Served			RURAL Coverage			
			BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage			
AKWAPIM NORTH	237	97,325	106	111	0	0	0	0	0	0	7	0	154	7,790	29,890	11,337	0	49,171	50.52%
AKWAPIM SOUTH MUNICIPAL	100	44,037	57	71	0	0	0	2	2	0	2	0	442	5,817	16,552	4,402	0	27,213	61.80%
AKYEMANSA	92	101,256	155	32	0	2	0	0	0	0	0	0	11	1,927	28,286	22,553	11,863	64,640	63.84%
ASUOGYAMAN	132	103,885	126	46	0	0	0	0	0	0	0	0	55	6,966	33,853	28,130	6,719	75,723	72.89%
ATIWA	116	179,184	205	37	0	2	0	0	0	0	0	0	0	3,771	24,943	12,800	70,956	112,470	62.77%
AYENSUANO	179	78,501	127	120	0	0	0	0	0	0	0	0	70	9,180	24,818	2,400	0	36,468	46.46%
BIRIM CENTRAL MUNICIPAL	125	99,399	111	3	0	1	0	0	0	0	0	0	173	3,312	16,183	11,393	25,990	57,051	57.40%
BIRIM NORTH	86	72,384	135	50	0	5	1	0	0	0	0	0	134	4,902	23,168	15,850	10,684	54,738	75.62%
BIRIM SOUTH	117	115,460	129	12	0	1	0	0	0	0	0	0	0	3,751	31,040	7,600	35,589	77,980	67.54%
DENKYEMBOUR	132	137,539	112	57	0	6	0	0	0	0	0	0	0	4,913	21,579	17,774	45,694	89,960	65.41%
EAST AKIM MUNICIPAL	136	121,770	160	14	0	2	0	0	3	0	0	0	0	4,744	28,726	15,600	35,790	84,860	69.69%
FANTEAKWA	147	111,125	188	8	0	2	0	0	0	0	0	0	0	4,187	43,610	10,334	7,497	65,628	59.06%
KWAEBIREM	100	107,623	123	65	0	2	0	0	0	0	0	0	0	4,815	16,072	13,448	27,467	61,802	57.42%
KWAHU AFRAM PLAINS NORTH	184	95,305	94	7	0	2	0	0	0	0	0	0	114	4,254	15,529	10,619	10,086	40,602	42.60%
KWAHU AFRAM PLAINS SOUTH	134	108,699	160	4	0	2	0	0	0	0	0	0	59	4,432	33,247	7,200	13,848	58,786	54.08%
KWAHU EAST	106	66,414	102	8	0	0	0	0	0	0	0	0	145	2,754	13,380	9,400	2,400	28,079	42.28%
KWAHU SOUTH	97	76,190	73	41	0	2	0	0	0	0	0	0	318	2,073	18,107	8,587	0	29,085	38.17%
KWAHU WEST MUNICIPAL	102	102,682	97	36	0	0	0	0	0	0	0	0	0	1,283	23,023	22,305	1,600	48,211	47.00%
LOWER MANYA KROBO	76	53,718	32	14	0	0	0	0	0	0	0	0	0	3,285	7,778	6,283	8,636	25,982	48.37%
NEW JUABEN MUNICIPAL	44	26,872	27	5	0	0	0	0	0	0	0	0	0	1,753	5,741	0	0	7,494	27.89%
NSAWAN ADOAGYI MUNICIPAL	66	24,521	35	46	0	0	0	0	0	0	0	0	0	3,262	10,318	2,400	0	15,980	65.17%
SUHUM MUNICIPAL	126	62,926	92	94	0	1	0	0	0	0	0	0	12	5,227	16,631	11,610	0	33,480	53.21%
UPPER MANYA KROBO	282	182,387	203	63	0	2	0	0	0	0	0	0	0	6,383	55,890	10,535	6,105	78,913	43.27%
UPPER WEST AKIM	101	75,850	84	60	0	3	0	0	0	0	0	0	381	4,382	17,956	9,290	16,540	48,549	64.01%



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## National Coverage Statistics Potable Water (Community Based Water Systems)



EASTERN Region	No Of Communities Population		F a c i l i t i e s										Population Group Served			RURAL Coverage	
	75	Total	BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75			300 - 5000			RURAL Population Served	RURAL Coverage
										299	75	1999	2000 - 4999	5000 and Over			
WEST AKIM MUNICIPAL	75	57,942	95	40	0	0	0	0	0	0	111	2,218	18,713	8,200	0	29,242	50.47%
YILO KROBO	239	118,716	142	98	0	0	0	3	0	26	7,137	41,253	2,401	14,171	64,988	54.74%	
<b>T O T A L</b>	3,331	2,421,610	2,970	1,142	0	35	3	15	0	2,205	114,518	616,286	282,451	351,635	1,367,095	56.45%	



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## National Coverage Statistics Potable Water (Community Based Water Systems)



GREATER ACCRA Region	No Of Communities Population		F a c i l i t i e s										Population Group Served			RURAL Coverage			
	Total	Total	BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75 - 299			300 - 4999			5000 and Over		RURAL Population Served	RURAL Coverage
										75	299	75	299	1999	4999	5000 and Over			
ADA EAST	136	100,726	6	21	0	0	0	0	0	0	15	2,538	33,567	24,427	10,693	71,240	70.73%		
ADA WEST	76	78,791	6	0	0	1	0	0	1	79	1,743	25,397	15,985	25,332	68,536	86.98%			
ADEMTA MUNICIPAL	19	37,850	3	0	0	0	0	0	0	0	944	1,299	2,879	0	5,122	13.53%			
ASHAIMAN MUNICIPAL	2	1,512	0	0	0	0	0	0	0	0	0	1,088	0	0	1,088	71.96%			
GA CENTRAL MUNICIPAL	3	10,813	4	0	0	0	0	0	0	0	0	1,600	0	0	1,600	14.80%			
GA EAST	40	22,137	4	11	0	1	0	0	0	0	416	7,777	0	0	8,193	37.01%			
GA SOUTH MUNICIPAL	252	150,262	219	28	1	0	1	0	0	112	13,109	53,592	8,784	0	75,597	50.31%			
GA WEST	202	177,305	190	32	6	1	1	0	0	169	10,523	45,760	4,800	12,356	73,608	41.51%			
KPONE-KATAMANSO	30	64,191	5	0	0	1	1	0	5	123	451	8,003	9,244	42,876	60,697	94.56%			
LA-NKWANTANANG-MADINA	47	20,273	18	3	1	2	0	0	0	126	636	12,255	5,322	0	18,339	90.46%			
NINGO-PRAMPAM	104	156,599	4	0	0	0	0	0	0	280	1,738	40,325	35,091	50,374	127,808	81.61%			
SHAI-OSUDOKU	192	119,373	62	8	0	1	0	0	0	439	7,040	43,012	6,842	9,139	66,472	55.68%			
TEMA METROPOLITAN ASSEMBLY	1	5,005	0	0	0	0	0	0	0	0	0	0	0	5,005	5,005	100.00%			
<b>T O T A L</b>	<b>1,104</b>	<b>944,837</b>	<b>521</b>	<b>103</b>	<b>8</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>53</b>	<b>1,343</b>	<b>39,138</b>	<b>273,675</b>	<b>113,374</b>	<b>155,775</b>	<b>583,305</b>	<b>61.74%</b>			





# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



	NORTHERN Region		Facilities										Population Group Served			RURAL Coverage	
	No Of Communities	Total Population	BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage	
BOLE	176	111,867	238	3	0	2	0	0	0	182	4,596	47,865	13,387	15,050	81,080	72.48%	
BUNKPURUGU-YUNYOO	252	188,423	326	1	0	2	0	0	0	95	6,139	76,066	11,060	17,185	110,545	58.67%	
CENTRAL GONJA	191	123,365	73	21	0	4	8	0	0	42	895	21,151	11,242	20,738	54,068	43.83%	
CHEREPONI	193	88,018	193	34	0	1	0	0	0	175	7,581	36,416	0	10,441	54,613	62.05%	
EAST GONJA	256	159,105	128	14	0	0	10	0	0	33	3,034	31,142	8,600	4,200	47,009	29.55%	
EAST MAMPRUSI	142	163,909	167	48	0	2	0	0	0	0	3,874	38,864	12,600	34,291	89,629	54.68%	
GUSHEGU	318	142,502	345	46	0	1	6	0	0	682	21,806	49,990	5,591	27,807	105,876	74.30%	
KARAGA	144	96,956	184	32	0	1	7	0	0	476	5,781	32,289	8,034	27,124	73,704	76.02%	
KPANDAI	252	155,609	189	3	2	4	0	0	0	100	2,110	32,728	23,328	12,905	71,171	45.74%	
KUMBUNGU	129	109,689	66	20	0	0	2	0	15	0	1,756	20,107	7,785	600	30,248	27.58%	
MAMPURUGU MOAGDURI	44	51,232	108	52	0	1	0	0	0	0	1,248	23,396	13,702	4,400	42,746	83.44%	
MION	117	64,080	159	9	0	1	2	0	0	204	5,812	25,409	10,562	8,689	50,676	79.08%	
NANUMBA NORTH	201	164,651	308	13	0	3	5	0	0	91	7,099	59,613	20,703	37,958	125,464	76.20%	
NANUMBA SOUTH	121	100,865	158	3	0	3	0	0	0	13	1,791	38,304	10,246	19,060	69,414	68.82%	
NORTH GONJA	55	54,890	87	3	0	3	1	0	0	30	1,014	16,588	10,961	13,389	41,982	76.48%	
SABOBA	283	103,480	203	38	0	2	0	0	0	265	11,135	35,486	6,422	6,168	59,476	57.48%	
SAGNARIGU	22	12,119	0	4	0	0	1	0	6	0	202	4,788	0	0	4,990	41.18%	
SAVELUGU NANTON	142	152,747	261	27	0	3	12	0	16	154	6,289	52,264	5,500	72,714	136,921	89.64%	
SAWLA-TUNA-KALBA	278	172,058	295	4	0	1	0	0	0	180	10,493	65,449	7,200	14,175	97,497	56.67%	
TAMALE RURAL	51	70,994	9	1	0	0	2	0	15	0	403	16,495	0	300	17,198	24.22%	
TATALE SANGULI	166	84,613	254	4	0	1	0	0	0	33	8,942	48,994	3,803	9,293	71,065	83.99%	
TOLON	135	128,543	115	56	0	0	11	0	2	0	2,429	25,797	20,550	3,600	52,376	40.75%	
WEST GONJA	62	69,642	125	12	0	1	10	0	0	32	1,936	24,313	4,443	13,000	43,724	62.78%	
WEST MAMPRUSI	97	152,540	206	120	0	6	3	0	0	12	3,857	39,601	30,215	21,209	94,894	62.21%	



# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



	NORTHERN Region		F a c i l i t i e s										RURAL Coverage			
	No Of Communities	Total Population	BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Population Group Served					RURAL Population Served	RURAL Coverage
										Below 75	75 - 299	300 - 4999	2000 - 4999	5000 and Over		
YENDI	225	104,348	289	25	0	2	1	0	0	0	11,379	54,845	15,313	0	81,797	78.39%
ZABZUGU	175	106,289	244	4	0	1	2	0	0	104	7,952	44,037	8,393	18,852	79,338	74.64%
<b>T O T A L</b>	<b>4,227</b>	<b>2,932,534</b>	<b>4,730</b>	<b>597</b>	<b>2</b>	<b>45</b>	<b>83</b>	<b>0</b>	<b>54</b>	<b>3,163</b>	<b>139,553</b>	<b>961,997</b>	<b>269,640</b>	<b>413,148</b>	<b>1,787,501</b>	<b>60.95%</b>



# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



UPPER EAST Region	No Of Communities Population		F a c i l i t i e s										Population Group Served			RURAL Coverage	
		Total	BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 4999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage	
BAWKU MUNICIPAL ASSEMBLY	145	115,039	242	24	0	0	0	0	0	31	3,446	62,539	11,200	0	77,216	67.12%	
BAWKU WEST	287	244,125	386	81	0	2	1	0	0	195	5,868	93,796	22,608	10,389	132,856	54.42%	
BINDURI	114	70,592	115	30	0	2	2	0	0	0	7,702	26,703	8,073	0	42,478	60.17%	
BOLGATANGA MUNICIPAL ASSEMBLY	179	112,230	255	14	0	1	1	0	0	0	3,809	71,710	7,732	4,400	87,651	78.10%	
BONGO	281	138,594	364	195	0	1	3	0	0	52	10,825	95,681	4,100	0	110,658	79.84%	
BUILSA NORTH	217	108,005	239	32	0	3	1	0	0	0	4,356	57,208	8,421	0	69,985	64.80%	
BUILSA SOUTH	90	47,070	118	5	0	1	1	0	0	0	1,622	29,705	2,079	0	33,406	70.97%	
GARU-TEMPANE	275	181,400	356	18	0	3	1	0	0	73	6,254	72,925	22,300	6,268	107,820	59.44%	
KASSENA NANKANA MUNICIPAL	191	105,829	237	23	0	1	4	0	0	25	5,299	61,802	8,893	0	76,019	71.83%	
KASSENA NANKANA WEST	224	153,818	294	41	0	3	2	0	0	0	5,302	79,969	11,665	10,292	107,228	69.71%	
NABDAM	50	44,375	62	10	0	2	0	0	0	14	178	18,974	2,000	11,728	32,894	74.13%	
PUSIGA	54	64,739	84	2	0	1	1	0	0	0	761	18,263	5,300	8,460	32,784	50.64%	
TALENSI	86	87,063	127	37	0	3	0	0	0	0	925	33,025	19,699	5,832	59,481	68.32%	
<b>T O T A L</b>	<b>2,193</b>	<b>1,472,879</b>	<b>2,879</b>	<b>512</b>	<b>0</b>	<b>23</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>390</b>	<b>56,347</b>	<b>722,300</b>	<b>134,070</b>	<b>57,369</b>	<b>970,476</b>	<b>65.89%</b>	



# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



UPPER WEST Region	No Of Communities Population		F a c i l i t i e s										Population Group Served			RURAL Coverage	
		Total	BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage	
DAFIAMA-BUSSIE-ISSA	51	40,637	108	0	0	1	1	0	0	46	2,012	9,203	17,438	0	28,699	70.62%	
JIRAPA	154	105,097	311	0	0	1	0	0	0	0	7,480	58,005	8,025	11,310	84,820	80.71%	
LAMBUSSIE-KARNI	74	61,650	186	0	0	3	0	0	0	0	2,353	31,406	11,086	2,000	46,845	75.99%	
LAWRA	108	73,001	181	0	0	2	0	0	0	60	2,960	38,222	8,978	8,087	56,307	79.87%	
NADOWLI-KALEO	117	84,590	236	0	0	4	0	0	0	0	5,308	36,225	30,033	0	71,566	84.60%	
NANDOM	88	64,251	175	0	0	1	1	0	0	39	2,584	33,229	7,452	9,158	52,462	81.65%	
SISSALA EAST	59	68,155	119	0	0	3	1	0	0	70	2,483	23,470	9,903	17,891	53,817	78.96%	
SISSALA WEST	56	63,732	155	0	0	1	2	0	0	0	1,839	32,840	11,224	7,538	53,441	83.85%	
WA	82	118,791	136	0	0	3	20	0	0	0	2,320	27,717	18,837	5,200	54,074	45.52%	
WA EAST	141	89,242	199	0	2	2	2	0	0	0	4,774	41,313	15,270	0	61,357	68.75%	
WA WEST	222	115,051	333	0	0	1	0	0	0	93	11,461	73,010	7,618	0	92,182	80.12%	
<b>T O T A L</b>	<b>1,152</b>	<b>884,197</b>	<b>2,139</b>	<b>0</b>	<b>2</b>	<b>22</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>308</b>	<b>45,574</b>	<b>404,640</b>	<b>145,864</b>	<b>61,184</b>	<b>657,570</b>	<b>74.37%</b>	



# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



VOLTA Region	No Of Communities	Total Population	Facilities							Population Group Served				RURAL Coverage				
			BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage		
ADAKLU-ANYIGBE	51	42,109	52	8	3	0	0	0	0	0	0	0	870	19,144	2,846	0	22,860	54.29%
AFADZATO SOUTH	89	73,014	126	2	5	5	1	0	0	0	0	0	901	34,174	17,452	0	52,527	71.94%
AGORTIME ZIOPE	98	59,684	72	1	1	1	1	0	0	0	0	0	3,598	19,972	4,646	7,243	35,459	59.41%
AKATSI NORTH	54	25,964	65	1	0	1	0	0	0	0	0	0	1,080	17,855	0	0	18,935	72.93%
AKATSI SOUTH	332	135,940	187	0	5	0	1	0	0	0	0	298	13,847	36,477	2,545	30,596	83,763	61.62%
BIAKOYE	102	95,138	131	1	5	0	2	0	0	0	0	0	3,460	22,376	26,692	9,840	62,368	65.56%
CENTRAL TONGU	308	117,509	71	0	2	4	0	0	0	0	0	134	7,949	42,152	0	8,081	58,316	49.63%
HO MUNICIPAL ASSEMBLY	65	61,401	89	15	9	3	1	0	10	0	0	0	1,169	39,631	5,971	0	46,771	76.17%
HO WEST	104	121,814	176	7	11	4	3	0	2	0	0	0	1,233	47,840	21,102	10,571	80,746	66.29%
HOHOE	69	80,214	133	0	6	5	0	0	0	0	0	0	1,105	31,343	32,754	0	65,202	81.29%
JASIKAN	68	65,217	79	7	4	4	1	0	0	0	0	0	3,813	15,543	13,790	19,635	52,781	80.93%
KADJEBI	152	93,739	137	3	5	2	2	1	0	0	0	66	6,628	21,822	18,855	17,943	65,314	69.68%
KETA MUNICIPAL ASSEMBLY	160	172,293	16	3	3	1	0	0	71	0	0	51	4,910	52,911	46,353	10,925	115,150	66.83%
KETU NORTH	287	159,852	139	4	2	6	6	0	0	0	0	129	12,108	27,018	3,196	51,923	94,374	59.04%
KETU SOUTH	202	160,669	76	0	1	5	0	0	0	0	0	20	4,408	23,374	17,008	15,988	60,798	37.84%
KPANDO	31	44,931	51	0	1	3	3	0	1	0	0	0	550	12,950	9,046	7,460	30,006	66.78%
KRACHI EAST	221	122,213	131	0	1	1	4	0	0	0	0	0	5,753	24,189	0	25,228	55,170	45.14%
KRACHI NCHUMURU	106	76,753	141	0	0	3	1	0	0	0	0	0	5,213	24,183	8,290	16,901	54,587	71.12%
KRACHI WEST	67	55,720	87	0	1	1	0	0	0	0	0	0	2,109	17,308	5,441	17,437	42,295	75.91%
NKWANTA NORTH	88	87,438	110	0	0	2	0	0	0	0	0	0	3,315	20,122	9,193	31,633	64,263	73.50%
NKWANTA SOUTH	172	130,479	286	1	1	0	0	0	0	0	0	0	8,149	48,491	20,772	23,741	101,153	77.52%
NORTH DAYI	66	88,666	91	0	6	2	0	0	2	0	0	0	613	29,969	31,361	14,805	76,748	86.56%
NORTH TONGU	205	121,460	63	0	0	2	1	2	4	0	0	0	1,973	28,008	14,341	20,436	64,758	53.32%
SOUTH DAYI	40	47,357	46	0	3	4	0	1	10	0	0	0	1,351	15,364	9,593	10,522	36,830	77.77%



# 2018

## National Coverage Statistics Potable Water (Community Based Water Systems)



	No Of Communities Population	F a c i l i t i e s										RURAL Coverage												
		Total		BH		HDW		SCPS		STPS		LMS		RHS		GWCL		Below 75	75 - 299	300 - 4999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage
		199	72,228	11	3	1	1	1	0	5	75	289	12,593	20,505	14,756	0	48,143							
<b>T O T A L</b>	3,336	2,311,802	2,566	56	76	60	27	9	175	987	108,698	692,721	336,003	350,908	1,489,317	64.42%								



2018

# National Coverage Statistics Potable Water (Community Based Water Systems)



WESTERN Region	No Of Communities	Total Population	F a c i l i t i e s										Population Group Served			RURAL Coverage		
			BH	HDW	SCPS	STPS	LMS	RHS	GWCL	Below 75	75 - 299	300 - 1999	2000 - 4999	5000 and Over	RURAL Population Served	RURAL Coverage		
AHANTA WEST	127	119,459	141	34	1	2	0	0	0	0	0	49	2,628	33,093	23,889	20,706	80,365	67.27%
AOWIN	128	97,073	138	31	1	3	0	0	0	0	0	114	2,907	32,230	14,621	13,240	63,112	65.01%
BIA EAST	74	41,983	34	3	0	0	0	0	0	0	0	115	969	6,122	2,800	0	10,006	23.83%
BIA WEST	95	100,229	60	24	0	3	1	0	0	0	0	237	1,278	8,856	6,702	21,420	38,493	38.41%
BIBIANI-ANHWIASO-BEKWAI	88	141,851	144	14	3	2	0	0	0	0	0	97	3,006	26,763	20,443	65,047	115,356	81.32%
BODI	43	59,159	51	11	0	4	0	0	0	0	0	54	1,015	9,049	9,706	15,766	35,590	60.16%
ELLEMBELLE	81	112,986	134	23	5	5	0	0	0	0	0	0	726	30,467	28,690	28,230	88,113	77.99%
JOMORO	87	127,999	132	36	1	5	0	0	0	0	0	0	1,475	28,004	27,939	32,657	90,075	70.70%
JUABESO	71	63,014	58	18	1	1	0	0	0	0	0	17	515	10,618	12,496	5,197	28,843	45.77%
MPOHOR	41	60,955	34	8	1	3	0	0	0	0	0	59	240	2,351	13,822	25,963	42,435	69.62%
NZEMA EAST MUNICIPAL	77	62,578	75	20	1	0	0	0	0	0	0	46	1,434	22,889	1,600	0	25,969	41.50%
PRESTEA-HUNI VALLEY	172	136,023	122	44	1	3	0	0	0	0	0	242	3,789	35,744	7,069	7,151	53,995	39.70%
SEFWI AKONTOMBRA	61	44,860	76	44	0	2	1	0	0	0	0	116	1,986	20,916	6,438	5,382	34,838	77.66%
SEFWI WIAWSO	106	131,321	127	25	3	3	0	0	0	0	0	89	2,313	27,090	14,267	56,325	100,084	76.21%
SEKONDI-TAKORADI METRO	10	8,113	4	3	0	0	0	0	0	0	0	0	0	2,200	0	0	2,200	27.12%
SHAMA	30	23,346	40	3	0	1	0	0	0	0	0	0	1,375	5,682	5,376	0	12,433	53.26%
SUAMAN	38	36,681	37	3	0	1	0	0	0	0	0	0	896	9,313	1,600	13,553	25,362	69.14%
TARKWA-NSUAEM MUNICIPAL	93	107,939	106	19	2	1	0	0	0	0	0	6	2,156	25,309	8,473	14,398	50,342	46.64%
WASSA AMENFI EAST	99	108,428	124	1	2	4	0	0	0	0	0	0	2,123	31,758	24,442	8,812	67,135	61.92%
WASSA AMENFI WEST	59	67,674	58	23	1	1	0	0	0	0	0	0	1,952	12,975	4,000	23,083	42,010	62.08%
WASSA AMENFI CENTRAL	75	66,469	97	19	0	2	0	0	0	0	0	23	2,600	17,617	18,994	0	39,234	59.03%
WASSA EAST	177	101,105	76	46	1	1	0	0	0	0	0	106	3,097	21,779	10,592	1,200	36,774	36.37%
<b>T O T A L</b>	1,832	1,818,645	1,868	452	24	47	2	0	0	0	0	1,370	38,480	420,825	263,959	358,130	1,082,764	59.54%







## **APPENDIX 2:**

### **CWSA ANNUAL FINANCIAL STATEMENTS (1<sup>ST</sup> JANUARY - 31<sup>ST</sup> DECEMBER, 2017)**

## Community Water and Sanitation Agency

# Corporate information

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Statement of cash flows	8
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## Community Water and Sanitation Agency

### Corporate information

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<b>Directors:</b>	Mr. Kwesi Eduafo Yankey	-Chairman
	Mr. Worlanyo Kwadjo Siabi (MV)	-Member
	Mr. Remy Bonpira Puoru	-Member
	Mr. Cosmas Balazuma Kambozie	-Member
	Mr. Donnan K. Tay	-Member
	Mr. Patrick Acheampong	-Member
	Naba Moses Abaare Appiah IV	-Member
	Mrs. Vida Duti	-Member
	Mad. Rose Afua Appenteng	-Member

**Secretary:** Mrs. Esther Takyi Opare

**Auditors:** Ghana Audit Service  
 P. O. Box GP 453  
 Accra

**Bankers:** CAL Bank Limited  
 National Investment Bank  
 SG-Ghana Limited  
 Bank Of Ghana  
 GN Bank

**Registered Office** P/No. 16,  
 Okponglo, Accra

## Community Water and Sanitation Agency

# Statement of Income and Expenditure for the year ended 31 December 2018

The Directors present herewith their report and audited Financial Statements for the year ended 31 December 2018:

### 1. Principal activities

The principal activity of the organization is to facilitate the provision of safe drinking water and related sanitation services to Rural Communities and Small Towns in Ghana.

### 2. Financial Results

The statement of financial position has been signed by two Directors indicating the Board's approval of such statement of financial position and attached accounts from pages 2 to 24

	GHS
The balance on retained earnings at 1 January	38,284,785
To which must be added the surplus for the year after charging all expenses including depreciation	<u>26,833,078</u>
The balance on accumulated fund at 31 December	<u>65,117,863</u>

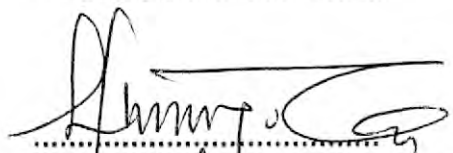
### 3. Auditors

In accordance with Section 134 (5) of the Companies Code, 1963 (Act 179) the auditors, Ghana Audit Service are the auditors of the Agency.

### 4. Approval of financial statements

The Financial Statements were approved by the Board of Directors on 17th Sept. 2019

On behalf of the Board

  
Director  
WORLANYO KWADJO  
SIABI

  
Director  
KWESI EWAFIO YANKET

## Community Water and Sanitation Agency

### Statement of Directors' responsibilities

The Directors are responsible for the preparation of financial statements for each financial year which give a true and fair view of the state of affairs of the Agency at the end of the financial year and of the profit or loss of the Agency for the year. In preparing these financial statements, the Directors are required to:

- select suitable accounting policies and then apply them consistently;
- make judgements and estimates that are reasonable and prudent;
- state whether the applicable accounting standards have been followed;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Agency will continue in business.

The Directors are responsible for ensuring that the Agency keeps proper accounting records which disclose with reasonable accuracy the financial position of the Agency and which enables them to ensure that the financial statements comply with International Public Sector Accounting Standards (IPSAS) and the Community Water and Sanitation Act 1998 (Act 564). They are responsible for taking such steps as are reasonably open to them to safeguard the assets of the Agency and to prevent and detect fraud and other irregularities.

The Directors approved the management of Small Towns Water Systems across the country. This additional responsibility places a financial burden on the Agency's operations and has cost implications and revenue generation.

## Community Water and Sanitation Agency

# Statement of Income and Expenditure for the year ended 31 December 2018

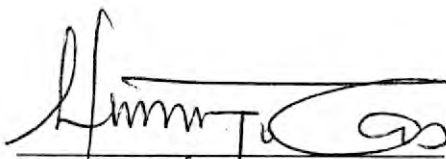
		2018	2017
Income	Note	GHS	GHS
IDA	4	30,607,040	10,630,091
Revenue from sale of water	5	5,549,290	0
Other income	6	6,431,226	5,371,057
Government of Ghana subsidy	7	12,593,016	6,281,424
Other donors	8	3,681,146	6,988,078
Funding from Ghana Water Company	9	9,398,741	6,420,480
Exchange Difference		<u>859,321</u>	<u>40,107</u>
<b>Total income</b>		<b><u>69,119,780</u></b>	<b><u>35,731,238</u></b>
Expenditure			
Compensation for employees	10	10,353,844	6,479,857
Use of goods and services	11	17,875,703	14,164,339
Sub-project expenses	12	<u>14,057,155</u>	<u>15,284,839</u>
<b>Total expenditure</b>		<b><u>42,286,702</u></b>	<b><u>35,929,036</u></b>
<b>Surplus / (Deficit) for the year</b>		<b><u>26,833,078</u></b>	<b><u>(197,797)</u></b>

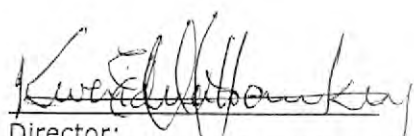
Community Water and Sanitation Agency

**Statement of financial position**

As at 31 December 2018

		2018	2017
Assets	Note	GHS	GHS
<b>Non- current assets</b>			
Property, Plant & Equipment	13	27,750,993	3,472,451
<b>Current Assets</b>			
Receivables	14	502,461	403,958
Cash and Bank Balance	15	<u>45,871,428</u>	<u>36,914,985</u>
<b>Total current assets</b>		<b><u>46,373,889</u></b>	<b><u>37,318,943</u></b>
<b>Current liabilities</b>			
Payables	16	536,553	736,300
<b>Net current assets</b>		<b><u>45,837,336</u></b>	<b><u>36,582,643</u></b>
<b>Non - current liabilities</b>			
IDA Renewable Advance	17	8,470,466	1,770,309
<b>Net assets</b>		<b><u>65,117,863</u></b>	<b><u>38,284,785</u></b>
<b>Capital employed</b>			
Accumulated Fund		<u>65,117,863</u>	<u>38,284,785</u>
<b>Total capital employed</b>		<b><u>65,117,863</u></b>	<b><u>38,284,785</u></b>

  
 Director: WORLAMMO KWASIO  
 Date: SIABU  
 17th September 2019

  
 Director: KWESI EKWAFOR YANKET  
 Date: 17th September, 2019

## Community Water and Sanitation Agency

# Statement of changes in net assets

For the year ended 31 December 2018

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	2018 GHS	2017 GHS
Balance at 1 January	38,284,785	38,482,582
Surplus / (Deficit) for the year	<u>26,833,078</u>	<u>(197,797)</u>
	<u>65,117,863</u>	<u>38,284,785</u>



## Community Water and Sanitation Agency

# Statement of cash flows

For the year ended 31 December 2018

	2018	2017
	GHS	GHS
<b>Cash flow from operating activities</b>		
Surplus for the year	26,833,078	(197,797)
<b>Adjustments for non-cash items</b>		
Depreciation	561,461	692,926
Interest income	<u>5,048,840</u>	<u>4,827,009</u>
<b>Operating surplus/deficit before working capital changes</b>	<b>32,443,379</b>	<b>5,322,138</b>
Change in accounts receivables	(61,496)	(83,061)
Change in accounts payables	<u>(236,753)</u>	<u>(109,257)</u>
<b>Net Cash inflow(outflow) from operating activities</b>	<b>32,145,130</b>	<b>5,129,820</b>
<b>Cash flow from investing activities</b>		
Interest income	(5,048,840)	(4,827,009)
Acquisition of fixed assets	<u>(24,840,003)</u>	<u>(631,786)</u>
<b>Net Cash inflow(outflow) from investing activities</b>	<b>(29,888,843)</b>	<b>(5,458,795)</b>
<b>Cash flow from financing activities</b>		
IDA Deposit	6,700,157	(10,630,090)
<b>Net cash flow from financing activities</b>	<b>6,700,157</b>	<b>(10,630,090)</b>
<b>Net change in cash and cash equivalent</b>	<b>8,956,443</b>	<b>(10,959,065)</b>
Cash and cash equivalent at 1st January	<u>36,914,985</u>	<u>47,874,048</u>
<b>Cash and cash equivalent at 31 December</b>	<b><u>45,871,428</u></b>	<b><u>36,914,985</u></b>

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

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### 1. General information

Community Water and Sanitation Agency (CWSA) established by an Act of Parliament, Act 564 in December 1998, has the mandate to facilitate the provision of safe drinking water and related sanitation services to Rural Communities and Small Towns in Ghana. The Agency is responsible for:

- coordinating the formal and informal private sector and non-governmental organisations for the implementation of water and sanitation programmes;
- managing resources and ensuring equity in distribution by addressing the needs of deprived communities;
- promoting the sustainability of the programmed and facilities provided under it;
- mobilising communities and providing hygiene education through third parties; and
- providing District Assemblies with technical assistance in the planning and execution of water development and sanitation in the districts.

### 2. Summary of significant accounting policies

#### 2.1 Basis of preparation

The financial statements have been prepared on accrual and going-concern basis and accounting policies have been applied consistently throughout the period. The statements comply with the requirements of International Public Sector Accounting Standards (IPSAS). Where an IPSAS does not address a particular issue, the appropriate International Financial Reporting Standard (IFRS) issued by the International Accounting Standards Board (IASB) is applied.

The financial statements are presented in Ghana Cedis.

#### 2.2 Income

##### Revenue from non-exchange transactions

Income is derived from non-exchange transactions (grants), 2% Rural Water levy (GWCL) Revenue from sale of water in the rural communities and Small Towns and Government of Ghana

#### 2.3 Cash and cash equivalents

Cash and cash equivalents include cash in hand, deposits held at call with banks and other short-term highly liquid investments that are readily convertible to cash and subject to insignificant risk of change in value.

# Community Water and Sanitation Agency

## Notes to the financial statements

For the year ended 31 December 2018

### 2.4 Property, plant and equipment

All property, plant and equipment are stated at cost less accumulated depreciation and impairment losses. Cost includes expenditure that is directly attributable to the acquisition of the items. When significant parts of property, plant and equipment are required to be replaced at intervals, the Agency recognizes such parts as individual assets with specific useful lives and depreciates them accordingly. Likewise, when a major inspection is performed, its cost is recognized in the carrying amount of the plant and equipment as a replacement if the recognition criteria are satisfied. All other repair and maintenance costs are recognized in surplus or deficit as incurred. Where an asset is acquired in a non-exchange transaction for nil or nominal consideration the asset is initially measured at its fair value.

Depreciation is charged so as to allocate the cost of assets over their estimated useful lives using the straight line method:

Buildings	2%
Plant and equipment	10%
Vehicle/Motor cycles	20%
Furniture and fittings	10%
Computers	20%

### 2.5 Impairment of non-financial assets

#### Impairment of cash-generating assets

At each reporting date, the Agency assesses whether there is an indication that an asset may be impaired. If any indication exists, or when annual impairment testing for an asset is required, the Agency estimates the asset's recoverable amount. An asset's recoverable amount is the higher of an asset's or cash-generating unit's fair value less costs to sell and its value in use and is determined for an individual asset, unless the asset does not generate cash inflows that are largely independent of those from other assets or groups of assets.

Where the carrying amount of an asset or the cash-generating unit (CGU) exceeds its recoverable amount, the asset is considered impaired and is written down to its recoverable amount. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset. In determining fair value less costs to sell, recent market transactions are taken into account, if available. If no such transactions can be identified, an appropriate valuation model is used.

A previously recognized impairment loss is reversed only if there has been a change in the assumptions used to determine the asset's recoverable amount since the impairment loss was recognized. The reversal is limited so that the carrying amount of the asset does not exceed its recoverable amount, nor exceed the carrying amount that would have been determined, net of depreciation, had no impairment loss been recognized for the asset in prior years. Such reversal is recognized in surplus or deficit.

# Community Water and Sanitation Agency Notes to the financial statements

For the year ended 31 December 2018

## **Impairment of non-cash-generating assets**

The Agency assesses at each reporting date whether there is an indication that a non-cash-generating asset may be impaired. If any indication exists, or when annual impairment testing for an asset is required, the Agency estimates the asset's recoverable service amount. An asset's recoverable service amount is the higher of the non-cash generating asset's fair value less costs to sell and its value in use. Where the carrying amount of an asset exceeds its recoverable service amount, the asset is considered impaired and is written down to its recoverable service amount.

In assessing value in use, the Agency has adopted the depreciation replacement cost approach. Under this approach, the present value of the remaining service potential of an asset is determined as the depreciated replacement cost of the asset. The depreciated replacement cost is measured as the reproduction or replacement cost of the asset, whichever is lower, less accumulated depreciation calculated on the basis of such cost, to reflect the already consumed or expired service potential of the asset. In determining fair value less costs to sell, the price of the assets in a binding agreement in an arm's length transaction, adjusted for incremental costs that would be directly attributed to the disposal of the asset is used.

If there is no binding agreement, but the asset is traded on an active market, fair value less cost to sell is the asset's market price less cost of disposal. If there is no binding sale agreement or active market for an asset, the Agency determines fair value less cost to sell based on the best available information.

For each asset, an assessment is made at each reporting date as to whether there is any indication that previously recognized impairment losses may no longer exist or may have decreased. If such indication exists, the Agency estimates the asset's recoverable service amount. A previously recognized impairment loss is reversed only if there has been a change in the assumptions used to determine the asset's recoverable service amount since the last impairment loss was recognized. The reversal is limited so that the carrying amount of the asset does not exceed its recoverable service amount, nor exceed the carrying amount that would have been determined, net of depreciation, had no impairment loss been recognized for the asset in prior years. Such reversal is recognized in surplus or deficit.

## **2.6 Financial instruments**

### **Financial assets**

#### **Initial recognition and measurement**

Financial assets within the scope of IPSAS 29 Financial Instruments: Recognition and Measurement are classified as financial assets at fair value through surplus or deficit, loans and receivables, held-to-maturity investments or available-for-sale financial assets, as appropriate. The Agency determines the classification of its financial assets at initial recognition.

The Agency's financial assets include: cash at bank receivables.

#### **Subsequent measurement**

The subsequent measurement of financial assets depends on their classification.

# Community Water and Sanitation Agency

## Notes to the financial statements

For the year ended 31 December 2018

### Derecognition

The Agency derecognizes a financial asset or, where applicable, a part of a financial asset or part of a group of similar financial assets when:

- The rights to receive cash flows from the asset have expired or is waived
- The Agency has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party; and either:
  - (a) the Agency has transferred substantially all the risks and rewards of the asset; or
  - (b) the Agency has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

### Impairment of financial assets

The Agency assesses at each reporting date whether there is objective evidence that a financial asset or a group of financial assets is impaired. A financial asset or a group of financial assets is deemed to be impaired if, and only if, there is objective evidence of impairment as a result of one or more events that has occurred after the initial recognition of the asset (an incurred 'loss event') and that loss event has an impact on the estimated future cash flows of the financial asset or the group of financial assets that can be reliably estimated.

### Financial assets carried at amortized cost

For financial assets carried at amortized cost, the Agency first assesses whether objective evidence of impairment exists individually for financial assets that are individually significant, or collectively for financial assets that are not individually significant. If the Agency determines that no objective evidence of impairment exists for an individually assessed financial asset, whether significant or not, it includes the asset in a group of financial assets with similar credit risk characteristics and collectively assesses them for impairment. Assets that are individually assessed for impairment and for which an impairment loss is, or continues to be, recognized are not included in a collective assessment of impairment.

If there is objective evidence that an impairment loss has been incurred, the amount of the loss is measured as the difference between the assets carrying amount and the present value of estimated future cash flows (excluding future expected credit losses that have not yet been incurred). The present value of the estimated future cash flows is discounted at the financial asset's original effective interest rate. If a loan has a variable interest rate, the discount rate for measuring any impairment loss is the current effective interest rate.

The carrying amount of the asset is reduced through the use of an allowance account and the amount of the loss is recognized in surplus or deficit. Loans together with the associated allowance are written off when there is no realistic prospect of future recovery and all collateral has been realized or transferred to the Agency. If, in a subsequent year, the amount of the estimated impairment loss increases or decreases because of an event occurring after the impairment was recognized, the previously recognized impairment loss is increased or reduced by adjusting the allowance account. If a future write-off is later recovered, the recovery is credited to finance costs in surplus or deficit.

# Community Water and Sanitation Agency Notes to the financial statements

For the year ended 31 December 2018

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## Financial liabilities

### Initial recognition and measurement

Financial liabilities within the scope of IPSAS 29 are classified as financial liabilities at fair value through surplus or deficit or loans and borrowings, as appropriate. The Agency determines the classification of its financial liabilities at initial recognition.

All financial liabilities are recognized initially at fair value and, in the case of loans and borrowings, plus directly attributable transaction costs.

The Agency's financial liabilities are payables.

### Subsequent measurement

The measurement of financial liabilities depends on their classification.

### Recognition of financial instruments in the Agency's financial statements

Financial instruments are recognized in the statement of financial position at cost, which approximates fair value due to their short-term nature.

## 2.7 Provisions

Provisions are recognized when the Agency has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits or service potential will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation.

Where the Agency expects some or all of a provision to be reimbursed, for example, under an insurance contract, the reimbursement is recognized as a separate asset only when the reimbursement is virtually certain.

The expense relating to any provision is presented in the statement of financial performance net of any reimbursement.

## 2.8 Contingent liabilities

The Agency does not recognize a contingent liability, but discloses details of any contingencies in the notes to the financial statements, unless the possibility of an outflow of resources embodying economic benefits or service potential is remote.

## 2.9 Contingent assets

The Agency does not recognize a contingent asset, but discloses details of a possible asset whose existence is contingent on the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Agency in the notes to the financial statements. Contingent assets are assessed continually to ensure that developments are appropriately reflected in the financial statements. If it has become virtually certain that an inflow of economic benefits or service potential will arise and the asset's value can be measured reliably, the asset and the related revenue are recognized in the financial statements of the period in which the change occurs.

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

### 2.10 Employee benefits

#### Defined contribution plan

The Agency operates a defined contribution plan. Payments to defined contribution retirement benefit plans are recognised as an expense when employees have rendered service entitling them to the contributions. Under the National pension scheme, the Agency contributes 13% of employees' basic salary to the Social Security and National Insurance Trust (SSNIT) for employee pension. The Agency's obligation is limited to the relevant contribution, which were settled on due dates. The pension liabilities and obligation therefore rest with SSNIT.

#### Defined benefit plan

A defined benefit plan is a pension plan that is not a defined contribution plan. The Agency does not operate a defined benefit plan.

### 2.11 Foreign currency transactions

The Agency's foreign currency transactions are translated into the functional currency using the exchange rates prevailing at the dates of the transactions. Foreign exchange gains and losses resulting from the settlement of such transactions, and from the transaction at period and exchange rates of monetary assets and liabilities denominated in foreign currencies, are recognized in the income and expenditure account.

Monetary assets and liabilities denominated in foreign currencies are retranslated at the functional currency rate of exchange ruling at the reporting date. All differences are taken to the income statement

### 2.12 Budget information

The annual budget is prepared on the accrual basis, that is, all planned costs and income are presented in a single statement to determine the needs of the Agency. As a result of the adoption of the accrual basis for budgeting purposes, there are no basis, timing or entity differences that would require reconciliation between the actual comparable amounts and the amounts presented as a separate additional financial statement in the statement of comparison of budget and actual amounts.

### 2.13 Significant judgments and sources of estimation uncertainty

The preparation of the Agency's financial statements in conformity with IPSAS requires management to make judgments, estimates and assumptions that affect the reported amounts of revenues, expenses, assets and liabilities, and the disclosure of contingent liabilities, at the end of the reporting period. However, uncertainty about these assumptions and estimates could result in outcomes that require a material adjustment to the carrying amount of the asset or liability affected in future periods.

#### Judgments

In the process of applying the Agency's accounting policies, management has made judgments, which have the most significant effect on the amounts recognized in the financial statements.

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

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### 3. Estimates and assumptions

The key assumptions concerning the future and other key sources of estimation uncertainty at the reporting date, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year, are described below.

The Agency based its assumptions and estimates on parameters available when the financial statements were prepared. However, existing circumstances and assumptions about future developments may change due to market changes or circumstances arising beyond the control of the Agency. Such changes are reflected in the assumptions when they occur.

#### Useful lives and residual values

The useful lives and residual values of assets are assessed using the following indicators to inform potential future use and value from disposal:

- The condition of the asset
- The nature of the asset, its susceptibility and adaptability to changes in technology and processes
- The nature of the processes in which the asset is deployed
- Availability of funding to replace the asset
- Changes in the market in relation to the asset



## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

#### 4. IDA Funds GHS 30,607,040

This represents IDA amount released during the year for the implementation of the Additional Financing-Sustainable Rural Water and Sanitation Project (AF-SRWSP).

#### 5. Revenue from sale of Water GHS5,549,290

This is income from sale of water in small towns piped water supply systems

#### 6. Other income

	2018 GHS	2017 GHS
Rent	26,978	7,852
Interest on short term investment (Fixed Deposit)	5,048,840	4,827,009
Sale of Bid Documents	262,134	168,389
Other Revenue	575,127	362,671
Transport Deduction	19,024	5,136
Community Contribution	<u>499,123</u>	0
	<u>6,431,226</u>	<u>5,371,057</u>

#### 7. Government of Ghana subsidy

This refers to contribution by the Government of Ghana towards compensation for employees, use of goods and services and assets or investment activities.

	2018 GHS	2017 GHS
Compensation of employees	5,227,610	4,504,495
Goods and Services	53,785	62,667
Assets(Investment Activities)	<u>7,311,622</u>	<u>1,714,262</u>
	<u>12,593,016</u>	<u>6,281,424</u>

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

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### 8. Other donors

These are contributions by donors towards incremental operational cost and software activities (goods and services) and execution of specific projects

	<b>2018</b>	2017
	<b>GHS</b>	GHS
UNICEF	<b>3,206,536</b>	5,369,268
Conrad Hilton Foundation	<b>0</b>	410,799
UN Habitat	<b>0</b>	942,883
SIF/ Rotary	<b><u>474,610</u></b>	<u>162,824</u>
	<b><u>3,681,146</u></b>	<u>6,885,774</u>

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

### 9. Funding from Ghana Water Company Ltd

This is 2% rural water levy on GWCL water bills ceded to CWSA for rural water management.

### 10. Compensation of Employees

	2018 GHS	2017 GHS
Staff on Government of Ghana payroll	5,227,610	4,504,495
Staff on Water Systems Payroll	3,59,656	243,467
Other Compensation Costs	<u>1,166,578</u>	<u>1,731,895</u>
	<u>10,353,844</u>	<u>6,479,857</u>

### 11. Use of goods and services

	2018 GHS	2017 GHS
Utilities	2,300,170	645,969
General Cleaning	132,989	107,539
Materials and Office Consumables	1,305,952	738,426
Rental	786,152	812,574
Travel & Transport	4,619,675	3,603,785
Repairs and Maintenance	1,623,860	461,908
Training And Conference Cost	1,081,931	1,729,125
Consultancy Expenses	961,514	4,144,082
Other Charges and Fees	2,302,021	620,012
Employer Social Benefits	1,460,050	525,125
Audit Fees	82,536	82,250
General Expenses	657,392	618
Depreciation	<u>561,461</u>	<u>692,926</u>
	<u>17,875,703</u>	<u>14,164,339</u>

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

### 12. Sub-project expenses GHS 14,057,155

These relate to expenditure for the construction of sanitation facilities for households in the Rural Communities and Small Towns.

	2018 GHS	2017 GHS
Water Systems construction	0	13,570,577
Sub-Project	<u>14,057,155</u>	<u>1,714,262</u>
	<u>14,057,155</u>	<u>15,284,839</u>

Community Water and Sanitation Agency

**Notes to the financial statements**

For the year ended 31 December 2018

13. Property, plant and equipment

**1. COSTS**

Description	Balance as at 1 <sup>st</sup> January	Additions	Disposals	Balance as at 31 <sup>st</sup> December, 2018
Structures	2,981,004	142,452		3,123,456
Plant and Equipment	718,739	1,141,906		1,860,645
Vehicles and Motorcycles	4,189,043	214,002		4,403,045
Furniture and Fittings	208,319	225,493		433,812
Computer and Software	1,780,163	529,681		2,309,844
Construction Work in Progress		22,586,469		22,586,469
<b>TOTAL COSTS</b>	<b>9,877,268</b>	<b>24,840,003</b>		<b>34,717,271</b>
<b>2. ACCUMULATED DEPRECIATION</b>				
Structures	595,066	59,756		654,822
Plant and Equipment	294,566	93,817		388,383
Vehicles and Motorcycles	4,144,997	28,957		4,173,954
Furniture and Fittings	189,807	31,601		221,408
Computer and Software	1,180,381	347,330		1,527,711
<b>TOTAL DEPRECIATION</b>	<b>6,404,817</b>	<b>561,461</b>		<b>6,966,278</b>
<b>NET BOOK VALUE AS AT 31/12/2018</b>	<b>3,472,451</b>	<b>24,278,542</b>		<b>27,750,993</b>

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

### 14. Receivables

	2018	2017
	GHS	GHS
Other debtors	0	37,006
Staff debtors	502,461	350,414
Inter-Regional Account		<u>53,544</u>
	<b><u>502,461</u></b>	<b><u>440,964</u></b>

### 15. Cash and bank

	2018	2017
	GHS	GHS
Cash on hand	6,945	5,939
Cash at bank:		
Head Office	39,962,225	34,573,416
Volta Region	586,526	134,935
Greater Accra Region	1,849,164	280,594
Brong Ahafo Region	246,386	503,782
Eastern Region	306,076	154,817
Central Region	628,689	714,738
Western Region	479,353	243,017
Upper West Region	953,507	685,985
Upper East Region	557,173	363,618
Northern Region	75,309	75,950
Ashanti Region	<u>220,075</u>	<u>144,773</u>
	<b><u>45,871,428</u></b>	<b><u>36,914,985</u></b>

### 16. Payables

Creditors for Goods and services	363,747	346,825
Community Contributions	0	426,841
Inter-Regional Accounts	<u>172,806</u>	<u>0</u>
	<b><u>536,553</u></b>	<b><u>773,306</u></b>

### 17. IDA Renewable Advance

There refers to the portion of IDA funds received which has not been spent and documented for the implementation of AF-SRWSP.

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

### 18. Financial instruments – Financial risk management

Exposure to currency, liquidity and credit risk arises in the normal course of the Agency's operations. This note presents information about the exposure to each of the above risks, policies and processes for measuring and managing risk, and the Agency's management of capital.

#### Fair value

The fair value of the financial assets and liabilities are included at the amount at which the instrument could be exchanged in a current transaction between willing parties, other than in a forced sale or liquidation.

The fair value of the financial assets and liabilities are included at the amount at which the instrument could be exchanged in a current transaction between willing parties, other than in a forced sale or liquidation.

The fair value of unquoted instruments such as loans from banks and other financial liabilities, obligations under finance leases, as well as other non-current financial liabilities is estimated by discounting future cash flows using rates. Fair value of financial assets is derived from quoted market prices in active markets, if available. Fair value of unquoted available-for-sale financial assets is estimated using appropriate valuation techniques

#### Fair value hierarchy

The Agency uses the following hierarchy for determining and disclosing the fair value of financial instruments by valuation technique:

Level 1: Quoted (unadjusted) prices in active markets for identical assets or liabilities

Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly (i.e., as price) or indirectly (i.e., derived from prices)

Level 3: Techniques which use inputs that have a significant effect on the recorded fair value that are not based on observable market data

Fair values of cash and cash equivalents, receivables and payables were estimated to approximate their carrying amounts largely due to the short term maturities of these instruments.

As at 31 December 2018, CWSA held the following financial instruments measured at fair value:

	2018		2017	
	Fair value	Carrying value	Fair value	Carrying value
	GHS	GHS	GHS	GHS
<b>Financial assets</b>				
Cash and bank	45,871,428	45,871,428	36,914,985	36,914,985
Receivables( excluding inter regional account)	502,461	502,461	387,420	387,420
	<b>46,373,889</b>	<b>46,373,889</b>	<b>37,302,405</b>	<b>37,302,405</b>
<b>Financial liabilities</b>				
Payables excluding inter regional account)	363,748	363,748	773,306	773,306

## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

### Credit risk

Credit risk is the risk of financial loss to the Agency if customers or counterparties to financial instruments fail to meet their contractual obligations, and it arises principally from the the Agency's receivables.

The carrying amount of financial assets represents the maximum credit exposure. The maximum exposure to credit risk as at 31 December 2018 was:

	<b>2018</b>	2017
	<b>GHS</b>	GHS
<b>Financial assets</b>	<b><u>46,373,889</u></b>	<b><u>37,302,405</u></b>

The Agency has minimal exposure to credit risk.

### Liquidity risk

Liquidity risk is the risk of the Agency not being able to meet its obligations as they fall due. The Agency's approach to managing liquidity risk is to ensure that sufficient liquidity is available to meet its liabilities when due, without incurring unacceptable losses or risking damage to the Agency's reputation.

The Agency ensures that it has sufficient cash on demand to meet expected operating expenses through the use of cash flow forecasts.

### Capital management

The primary objective of managing the Agency's capital is to ensure that there is sufficient cash available to support the Agency's funding requirements, including capital expenditure, to ensure that the Agency remains financially sound.

The Agency monitors capital using a gearing ratio, which is debt (Payables), divided by net assets.

	<b>2018</b>	2017
Gearing ratio	<b><u>0.01</u></b>	<b><u>0.02</u></b>

The Agency has low exposure to gearing.



## Community Water and Sanitation Agency

# Notes to the financial statements

For the year ended 31 December 2018

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### 19. Related party disclosures

#### 19.1 Transactions with related parties

##### Deferred grant

The Agency currently has deferred grant of GHS 8,470,465 from the International Development Association (IDA) to undertake the implementation of SRWSP.

Besides the above, there were no payable or receivable balances due from or to related parties.

##### Compensation to key management personnel

Key management personnel refer to those personnel with authority and responsibility for planning, directing and controlling the business activities of the Agency.

The Key management personnel of the Agency are compensated by the Government of Ghana.

### 20. Contingent liabilities

There were no contingent liabilities at the end of the reporting period.

### 21. Contingent assets

There were no contingent assets at the end of the reporting period.

### 23. Commitments

The Agency had no commitments at the end of the reporting period.

### 24. Events after the reporting period

No significant event occurred after the end of the reporting date which is likely to affect these financial statements.





## **THE HEAD OFFICE**

**COMMUNITY WATER AND SANITATION AGENCY**  
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