



**BREDE-GOURITZ**  
CATCHMENT MANAGEMENT AGENCY

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**PROPOSED TARIFFS FOR THE BREEDE GOURITZ CATCHMENT  
MANAGEMENT AGENCY FOR THE FINANCIAL YEAR 2022/23**

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# 1. INTRODUCTION

## 1.1 Background

The Breede-Gouritz Catchment Management Agency (BGCMA) is the result of the amalgamation of the Breede-Overberg Water Management Area (WMA) with the Gouritz WMA. The WMA is bounded by the Indian Ocean to the south, the Berg-Olifants WMA to west, the Orange WMA to the north and the Mzimvubu-Tsitsikama WMA to the East. It largely falls within the Western Cape Province, with small portions of the upper catchment of the Olifants River falling in the Eastern Cape Province, and tiny portions of the upper catchments of the Gamka and Groot Rivers falling in the Northern Cape Province.

The Breede-Gouritz WMA includes the catchment area of the Gouritz River and its major tributaries (the Gamka, Groot and Olifants Rivers), as well as the catchments of the smaller coastal rivers that lie to the east and west of the Gouritz River mouth, the Breede River and the catchments of the smaller coastal rivers that lie to the west of the Breede River mouth, i.e., the Palmiet, Kars, Sout, Uylenkraals, Klein, Onrus and Bot-Swart Rivers.

There are two large rivers within the WMA, the Breede and Gouritz Rivers. The Breede River, with its main tributary the Riviersonderend River, discharges into the Indian Ocean. The Gouritz has three main tributaries, the Groot, Gamka and Olifants Rivers. There are several other smaller rivers in the WMA, the Touws, Duivenhoks, Goukou, Hartenbos, Great Brak, Kaaimans, Knysna and Keurbooms.

The Table Mountain Group (TMG) Aquifer holds significant potential and has been investigated and developed by the Overstrand Municipality, the Koo WUA and potential by Oudtshoorn as an option to augment their existing sources of bulk supply. The TMG aquifer situated within the Hottentots-Holland, Franschoek and Du Toit's mountain ranges that divide the Breede-Gouritz WMA from the proposed Berg-Olifants WMA are also being evaluated to augment the bulk supply for the Western Cape Water Supply System (Greater Cape Town).

In the Little Karoo poor quality brackish groundwater (generally unfit for human consumption but supportive of livestock) is associated with Bokkeveld and Cretaceous (Uitenhage Group) aquifers, whilst the quality of water in the primary alluvial aquifers is variable. The regional flow regime, storage capacity, recharge and discharge

patterns of the Peninsula and Skurweberg (Nardouw) aquifers in a north-south corridor between the Outeniqua and Swartberg ranges, centred around the town of Oudtshoorn in the Olifants River valley are being evaluated. In the Great Karoo, around the towns of Prince Albert and Beaufort West, the exploration and potential extraction of deep lain earth gasses through a process of fracking are investigated.

In terms of surface water management, the Gouritz WMA is subdivided into five hydrological sub-areas (Gamka, Groot, Olifants, Gouritz and Coastal sub-areas) and the Breede is divided into five sub-areas as well (Upper Breede, Lower Breede, Riviersonderend, Overberg West and the Overberg East sub-areas).

The local municipalities that fall under the Breede-Gouritz WMA are: Beaufort West, Langeberg , Breede Valley, Cape Agulhas, George, Kannaland, Knysna, Laingsburg, Hessequa, Mossel Bay, Oudtshoorn, Overstrand, Bitou, Prince Albert, Swellendam, Theewaterskloof, Baviaans (part within Mzimvubu-Tsitsikama WMA), Cape Winelands Demarcation Area and Witzenberg (part within proposed Berg-Olifants WMA). These local municipalities, in no order, fall under the district municipalities of the Eden, Central Karoo, Cape Winelands and Overberg.

## **1.2 Function of the CMA**

The Breede-Gouritz Catchment Management Agency (BGCMA) is a water management institution established in terms of section 78 of the National Water Act, 36 of 1998 and is operational in the Breede-Gouritz Water Management Area (WMA).

The BGCMA has the following inherent functions in terms of section 80 of the National Water Act:

- Investigate and advise interested persons on water resource management.
- Compilation of the CMS
- Co-ordinate related activities of water users and WMIs
- Promote co-ordination of implementation of any applicable development plan.
- Promote community participation in water resource management.

### 1.3 Operational Area



The Breede-Gouritz Water Management Area has widely varying precipitation levels. The precipitation ranges from 160mm in the northern, more inland parts of the WMA to more than 3 000mm in the high mountainous regions of the Hottentots Holland and Franschhoek water divides between Berg and Breede WMAs. The average rainfall over the Breede area is 200 mm, Overberg 400 mm, Gouritz Coastal 600mm and Klein Karoo / Great Karoo 150 mm. The Great Karoo and Olifants River catchment regions are classified as a very late summer rainfall region, with a large proportion of annual precipitation falling between March and May and October through storm events, whereas most of the rain in Breede Valley falls between the months of May and August. Parts of the Southern Coastal parts of the Gouritz used to experience all year-round rainfall.

#### **The economic geography of the Breede-Gouritz WMA**

The Gross Geographic Product (GGP) of the Breede-Gouritz Water Management Area is estimated at around R22 billion per annum and makes up just less than 1% of South Africa's Gross Domestic Product (GDP). The economy of the WMA is dependent on export fruit and fruit products, PetroSA, uranium mining, renewable energy, ostrich farming and tourism. The region is quite significantly dependant on the agricultural economy which provides 58% of jobs to the rural poor. The economy of the Breede-Gouritz is closely dependent upon the availability and health of water resources in the water management area because of its heavy dependence on

agriculture, petroleum production, inter-basin transfers of bulk water resources to Western Cape Water Supply System and tourism.

## 2. OPERATIONAL CAPACITY

### 2.1 Current Workforce

STAFF MAKE UP	
LEVEL	NUMBER OF POSITIONS
Senior Management	2
Professional Qualified	63
Semi-Skilled	2
<b>Total</b>	<b>67</b>

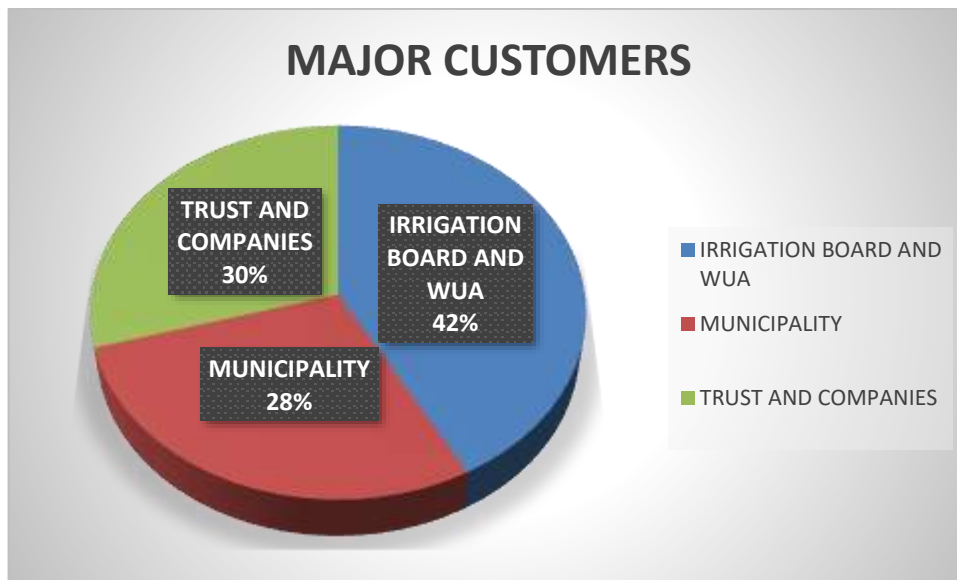
### 2.2 Vacant Posts to be filled in the 2022/23 financial year.

Unit	Post Title	No. of Posts	Cost
WRM	Geohydrology	1	R736 456
	Professional Engineer: WRM	1	R1 085 582
	Compliance Officer	2	R659 558
	Senior Data Capturer	1	R329 779
	Data Capturer	1	R268 065
Human Resources	Registry	1	R217 135
Interns	Interns	2	R240 000
<b>Sub-Total</b>		<b>9</b>	<b>R3 536 575</b>

## 2.3 Major Customers

Major customers consist of Irrigation Board /Water User Association, Municipalities and Trust / Companies.

The below diagram depicts the composition of major customers in percentage (%).



Major customers constitute about 63% of Annual Revenue.

## 3. PERFORMANCE MANAGEMENT

### 3.1 Summary of the Projects completed in 2020/21

Project Descriptions	Status
Buzybeez Vegetable Garden - Laingsburg	Completed
Samaritans Development Foundation - Blanco	Completed
Ability Gardens Growing Food and Medicine - Hawston/Mount Pleasant/Stanford	Completed
Green Fingers Initiative – Souffood Community Organisation - Grabouw	Completed
National Institute of the Deaf (NID) Water Security Project – Worcester	Completed
Siyahluma Creche & Aftercare - Zwelethemba, Worcester	Completed
Sustainable Development Goals Project – Dysselsdorp and De Rust	Completed
Rainwater Harvesting Tanks Project	Completed

## 4. FINANCIAL PERFORMANCE

### 4.1 Analysis of the Budget

WRM Activities	2020/21	2021/22	2022/23
	Actual Expenditure	Approved Budget	Proposed Budget
Catchment Management Strategy & Water Resource Planning	12 502 286,72	15 336 808,41	17 357 042,81
Water Related Institutional Development	7 038 643,57	8 634 446,67	9 771 815,39
Water Weed Control (Adopt -A River)	-	-	-
Water Use Authorization	16 479 474,98	20 215 705,82	22 878 610,86
Geo-hydrology and Hydrology	1 592 297,64	1 953 303,77	2 210 601,86
Resource directed measures	1 599 801,59	1 962 509,03	2 221 019,67
Terrestrial Invasive Alien Plant	2 342 844,09	2 874 014,32	3 252 592,60
Water Resources Management Programmes	6 900 934,86	8 465 516,61	9 580 633,09
Control and Enforcement of Water Use	3 009 691,30	3 692 049,29	4 178 382,87
Administration and overheads.	9 759 568,25	11 972 286,10	13 549 300,85
<b>TOTAL BUDGET</b>	<b>61 225 543,00</b>	<b>75 106 640,00</b>	<b>85 000 000,00</b>



## 5. PROPOSED TARIFFS

### 5.1 Legislative Framework

The Breede-Gouritz Catchment Management Agency (BGCMA), established in terms of Section 78 of the National Water Act 36 of 1998 (NWA), performs water resource management in the Breede-Gouritz Water Management Area (WMA) as contemplated in the National Water Act. The proposed Water Resource Management Charges for the 2022/23 financial year as per s(57)(1)(a)(i) and (2) of the National Water Act.

### 5.2 Volumes per sector for 2022/23

The WARMS Registered Volume is used as the basis for Charge Determination.

Information Source	Total	Domestic/ Industrial	Agriculture	SFRA	Non-Billable
WARMS Registered Volumes	1,541,707,377	185,425,936	1,339,645,098	16,636,343	3,870,384
Yield Volume ex Strat Plan	970,000,000	119,000,000	830,000,000	21,000,000	3,870,384
Volume from Regional Management	461,750,791	74,701,474	376,608,052	10,441,265	3,870,384
<b>Volumes used for Calculation, m<sup>3</sup>:</b>	<b>1,541,707,377</b>	<b>185,425,936</b>	<b>1,339,645,098</b>	<b>16,636,343</b>	<b>3,870,384</b>

### 5.3 Summary of Increases & Capping on Raw Water Charges for 2022/23

Tariff determination	Domestic/ Industrial	Agriculture	SFRA
2021/22 Approved tariffs	5,48	2,49	1,27
Proposed increase 6.7% according to PPI April 2021	0,03	0,17	0,09
<b>Proposed New Tariff 2021/22</b>	<b>5,51</b>	<b>2,66</b>	<b>1,36</b>

#### 5.4 2022/23 WRM Proposed Tariffs

Sector	2021/22 approved tariffs	2022/23 Full cost tariffs	2022/23 Pricing Strategy tariffs (Capping)	2022/23 Proposed tariffs
Domestic and Industry	5,48	5,51	5,51	5,51
Irrigation	2,49	5,51	2,66	2,66
Forestry	1,27	5,51	1,36	1,36

#### 6. CONCLUSION AND RECOMMENDATIONS:

It is required that approval of the proposed tariffs be granted as it will allow the Agency to achieve its mandate in the year 2022/23 financial year.



**MR. JAN VAN STADEN**  
**CHIEF EXECUTIVE OFFICER (ACTING)**

**DATE: 25 JUNE 2021**