ANNUAL PERFORMANCE PLAN (VOTE 41)

DEPARTMENT OF WATER AND SANITATION

FOR THE FISCAL YEARS 2022/23 TO 2024/25

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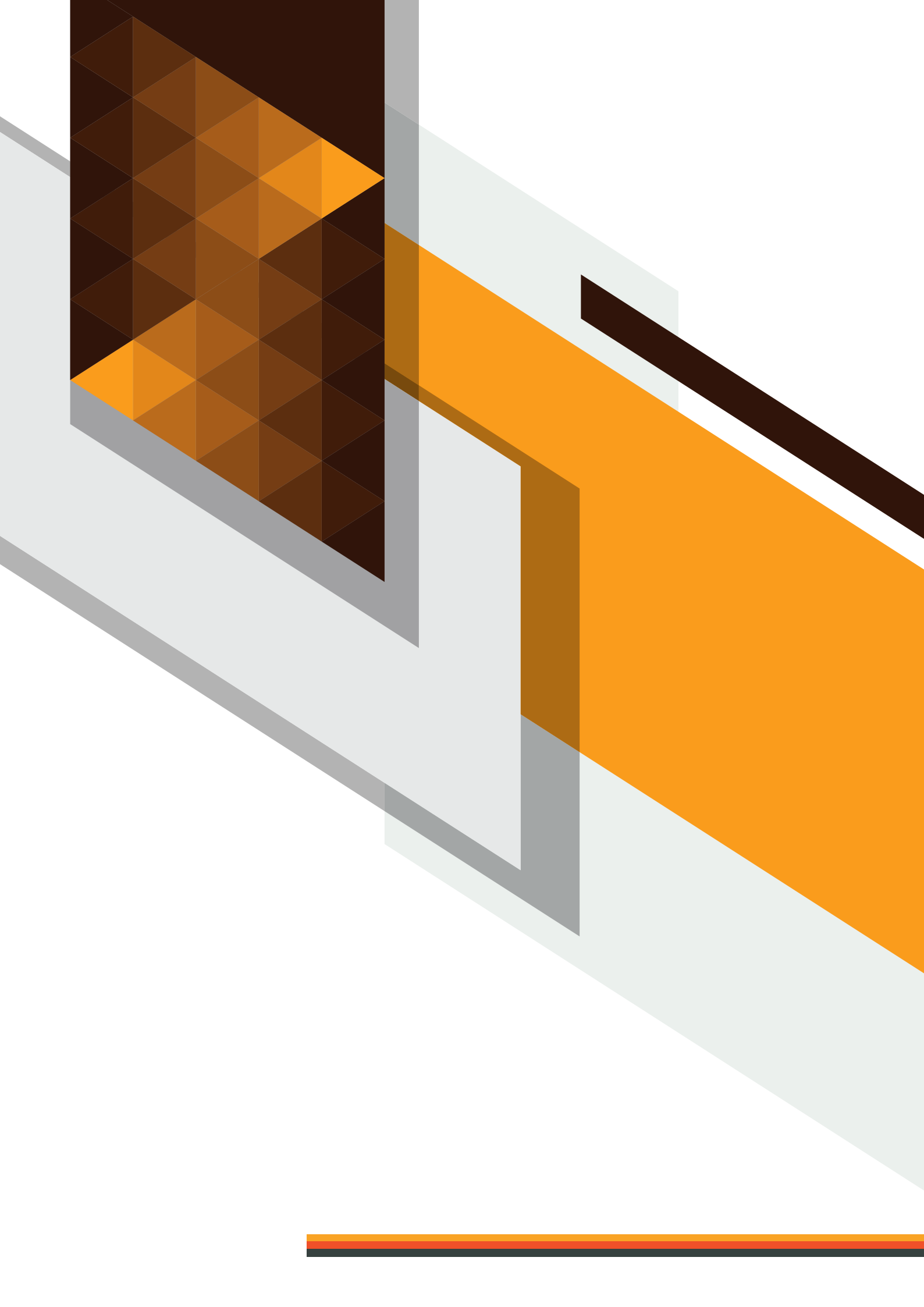


FOREWORD

Foreword by the
Minister
MR SENZO MCHUNU (MP)

The South African Constitution, with its roots firmly embedded in the Freedom Charter and the Bill of Rights, proclaims that "South Africa belongs to all who live in it" and that all citizens have a right to an environment that is not harmful. This is meant to result in an inclusive and non-racial society. South Africa is a country brimming with potential and a resilient and fast growing economy is at the heart of our envisaged economic transformation agenda, directed by the National Development Plan, our South African Vision 2030.

The country's Vision 2030 is well supported by the National Water and Sanitation Master Plan that we launched in November 2019, which Plan will direct all our efforts towards 2030 and beyond, the African Union's Vision 2063, as well as the United Nations' Sustainable Development Goals, Goal Number 6 (SDG-6) impacting on the delivery of water and sanitation.

Our economy has been facing difficulties since the financial crisis in 2008. As a country we embarked on an aggressive infrastructure development programme to stimulate growth, led by the Presidential Infrastructure Coordinating Commission. Global growth still remains muted and financial markets have become volatile. Currencies of emerging markets have become weak and they fluctuate widely, and the reality of other input factors cannot be ignored.

Our economy is also affected by domestic factors most notably electricity constraints and industrial relations both which are at times unstable. The mandate of the Department of Water and Sanitation (DWS) is derived from the country's Constitution and carries the responsibility to deliver basic yet crucial services to the population. The service delivery tools for the DWS are embodied in the National Water Act (NWA), Water Services Act (WSA) and the Water Research Act (WRA) including all policy mandates and strategies which form a solid basis upon which to build our plans for the next financial year and beyond.

Our political guidance and directions are premised on the government's Programme of Action which drives all our efforts to respond to and carry out the needs and desires of South Africans. The planning terrain for the 2020/2021 medium term has been intensified and includes the Department's entities. The department sets the agenda and identifies key projects for the State Owned

Companies and entities to implement over a defined period. These interventions are essential for growth and sustained service delivery to a growing population and demand.

It is important to recall that due to the fact that the Department had accruals in the last few years, it is necessary to review the strategic plan in order to align the Annual Performance Plan (APP) targets with the available budget.

At the same time, the Department will continue to find cost effective ways of realising its mandate within the allocated budget.

We all have a lot to do to turn the economy around and to reduce wastage. This belt-tightening exercise will require us to go through a difficult period until the economy recovers.

Poor service delivery at municipal level requires the prioritisation of support to municipalities that are failing. The strenghthening of the department's role in support and intervention at municipal level is identified as the key strategic priority for the foreseeable future. The department will develop detailed measures in colloboration with SALGA, COGTA, NT, DBSA and Infrastructure South Africa.

MR SENZO MCHUNU (MP)
MINISTER OF WATER AND SANITATION

Message from the
Deputy Minister
M D MAHLOBO (MP)

Over the last twenty-five years we have made strides in building a truly united, non-racial, non-sexist, democratic and prosperous society but we are the first to admit that more still needs to be done.

After the Sustainable Development Goals agenda was established by the United Nations (UN) in 2015, water and sanitation factored as part of the SDG goals especially goal 6 (Clean water & sanitation). Based on the decisions taken by the UN on SDGs various countries including South Africa are at various stages of driving this goal both at technical and policy levels.

The global importance of water cannot be overstated; it is crucial for all life and important for human socio-economic wellbeing; hence its value is seen from the context as an environmental, social and economic good. The well-being of human society through the ages has been dependent on secure sources of water; conversely, its absence has seen the demise of often well-established societies.

The fact that SADC countries share similar climate, hydrological and water resources governance provides a strong case to create a water–energy -food nexus platform to support regional planning. For example, Mozambique, Zambia and Zimbabwe share the Zambezi water basin, while South Africa supplies energy to several countries such as Zimbabwe, Botswana, and Swaziland.

The security of water supply is paramount socio-economic development. We must always plan for climate change. The challenges posed by climate change, water, nutrients and energy are converging. About 12 million hectares of land becomes degraded each year. Droughts and floods are becoming more frequent and larger. For a host of reasons Africa is at the eye of this storm.

Some reasons include the fact that southern Africa has already lost 25% of its soil fertility. And some countries on the continent have some of the highest population growth rates globally.

The recent World Economic Forum (WEF) report indicates that a quarter of the world's human population already living in the regions that suffer from severe water scarcity for at least six months of the year.

We are also enjoined to ensure all South Africans receive dignified sanitation services. This is notwithstanding ours being a water-scarce country. In this regard, there is a great need to look into and raise awareness that in our situation of water scarcity, there is absolute need for the introduction and use of alternative and new sanitation technologies. It will be most critical that sufficient buy-in is received in this regard.

It is important to raise the point that whilst as a department we continue to deliver on the planning, and delivery of bulk services, these need to translate to the actual betterment of the lives of all South Africans. The district development model will improve coordination amongst the three spheres and broader stakeholder in driving development.

With all the work that went into the completion of the fifteen regional bulk infrastructure project phases that were completed, we know that a total of 262 796 more households are being served than before. In addition, a total of 907 job opportunities were created from the construction of infrastructure projects, with a direct impact on the livelihoods of people.

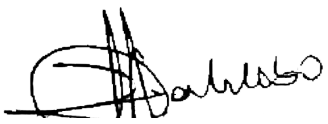
Protection of the water resources is critical especial due to high levels of deteriorating water quality caused by infrastructure failure by many of the municipalities who are water services, mines and industries. The department conducted compliance monitoring on no less than 407 water users; these were within a number of disciplines including agriculture, dam safety, industry, mining, municipality, public entities and stream flow reduction activities. We are pleased to indicate that as the report will indicate, no less that a healthy number totalling 94% of reported non-compliant cases were investigated. In actual numbers this relates to 441 of 471 cases.

As a developmental state, we cannot and should not compromise on that. With regard to water management and the protection of the source from pollution, an Anti-Pollution Task Team has been assembled and it has had its first bite in Mpumalanga province where it has been discovered that the Victor Khanye Municipality was discharging raw sewer into the river.

Regulation is a critical part of the core function of the DWS as it assists in ensuring that there is sufficient protection of the resource, a very important function in light of the country's challenges of water scarcity.

Cooperation and governance systems therefore become imperative and are critical success factors in addressing water resources and associated issues and challenges. Addressing these complexities requires collaboration on human capacity development. We need to continuously obtain new knowledge, develop new skills and tools for the changing conditions. We need to investigate opportunities to leapfrog to alternative pathways for delivering on water security and managing water and sanitation services.

We can and must build on these small developments. The path is clear. But we all need to work together and walk together to get to the destination we seek.



M D MAHLOBO (MP)
DEPUTY MINISTER OF WATER AND SANITATION

Foreword by the

Deputy Minister

MRS DIKELEDI MAGADZI (MP)

The submission of the Department of Water and Sanitation 2022/23 – 2024/25 Annual Performance Plan comes when the world is still reeling from the effects of COVID-19 which has caused a lot of devastation to so many communities and families. We take a bow and salute our frontline workers who responded positive when called to this epoch tasking of saving lives while putting their lives at risk. In aligning ourselves with our Constitution's directive through the Bill of rights to ensure that our people leave in humane conditions and with dignity, we commit ourselves to such task and on our own we say "Water is life and Sanitation is dignity" It is therefore stance that the provision of Water and Sanitation to the people of South Africa can never be postponed any longer.

Agenda 21 explicitly promotes the use of the resources base in a way that best support social equity, economic development and environmental sustainability objectives. The integrated water resource management approach reflects this concern in that it seeks to achieve an optimum balance amongst the three Es: efficiency, equity and environment. Integrated water resource management provides a way of operationalizing this part of Agenda 21, offering a problem-solving approach to address key water-related development challenges in way that balance:

- Economic efficiency- to make scarce water resources go as far as possible, and to allocate water strategically to different economic sectors.
- Social equity- to ensure equitable access to water, and to the benefits from water use, between women and men, rich and poor, across different social and economic groups both within and, across countries, which involves issues of entitlement, access and control.
- Environmental sustainability- to protect the water resources base and related aquatic ecosystem and, more broadly, to help address global environmental issues such as climate change mitigation and adaptation, sustainable energy and sustainable foot security.

Water is clearly central to the economic growth and sustainable development of a nation. However, water and its management cannot be regarded as being simply a national matter; there are also regional issues to consider. South Africa, like many other countries, shares a substantial proportion of its water resources with its neighbours.

Management arrangements and development proposals therefore need to take this relationship into account. Given the complex array of interrelated factors in the water sector, there is an urgent need to draw together insights from different perspectives and disciplines. These should serve as an input into any decision making on ensuring water security in South Africa and in the southern African region.

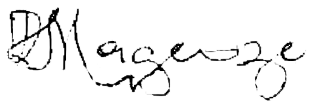
A theoretical sequence might start with planning and institutional development, yet there are substantial, pressing problems on the ground that must be addressed at an early stage. It is therefore prudent to draft an immediate programme of investment that would be coupled with and inform planning and institutional development, in the following respects:

From a water resource perspective, better planning of investment in, and operation of, services at either municipal or regional utility level is needed. This is essential for providing timeous estimates of future demands for water, so as to guide water resource planning and investment, as well as identifying hotspots for investment in wastewater interventions. Planning should address ongoing operational activities, as investment without consideration of operational implications will lead to suboptimal expenditure.

Water resource planning and development planning need to be better integrated at all levels. This will ensure that water will support development in other sectors; that interventions for water resource development reflect broader development priorities; and that development opportunities offered by water resources are taken up.

The capacity of local governments needs to be improved so that they can ensure efficiency in water supply and use, and prevent extensive water pollution. In this context, an institutional option that needs to be investigated is the extent of decentralisation and possible regional approaches to water supply and sanitation. A successful review might imply that constitutional reform is needed for a regional option to be successful. The alternative is to consider interventions that would enable local governments to operate more effectively. This option would also apply to improving the quality and reliability of drinking water supply.

The Department is the process of finalizing transformation charter to address policy and increased efficiency of water use and that the delegations withdrawn from Catchment Management Agencies and Water Users Association will be reinstated after conducting capability assessment first to measure the capacity level for performing the delegation. The Department will prioritize the issuing of Water Use Authorizations for Agricultural water use activities especially applications from Historically Disadvantaged Individuals.



MRS DIKELEDI MAGADZI (MP)
DEPUTY MINISTER OF WATER AND SANITATION

Overview of the
Accounting Officer
DR SD PHILLIPS
DIRECTOR-GENERAL

In February 2019, the erstwhile Minister presented a proposal under the title "The Water and Sanitation Crisis in our Country: A comprehensive strategic Intervention Proposal" that mainly recommended a ten (10) year massive construction progamme over the short, medium and long term periods.

Accordingly, a number of directives were issued to entities to give a special focus on infrastructure needs particularly in rural towns, farms and villages. The proposed intervention plan also suggests a number of areas to be optimised such harvesting of ground water and surface water and maximising the use of sea water through desalination.

In 2013, the Minister of Finance announced a number of cost containment measures. Although excessive and wasteful expenditure is being reduced in the Department, more still needs to be done to cut wastage.

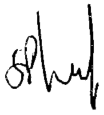
The Department will, therefore, continue finding cost effective ways of realising its mandate within the allocated budget.

The Department will continue optimising its revenue management plans through its customer relations function. Through this process, we will engage our business partners to ensure that all monies owed to the Department are collected. As we prioritise the operations and maintenance activities in support of the infrastructure that we manage, revenue optimisation remains essential.

Arising from further cost containment measures, the budget cuts on the compensation of employees for the 2019/20 financial year necessitated a further review of critical posts that will have to be filled in future. The reprioritised list of vacancies adopted in the 2018/19 financial year – which focuses mainly on scarce and critical posts as per the core functions of the Department – will be filled in the 2019/2020 financial year.

The Department will continue to reduce the vacancy rate in respect of engineers and scientists. A target of not more than 10% will be maintained.

The Department continues to work towards realising the National Development Plan and this Annual Performance Plan sets out a transformative programme that is certain to yield significant outcomes.

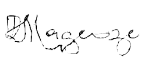


DR SD PHILLIPS
DIRECTOR-GENERAL

Official sign off

It is hereby certified that this Annual Performance Plan

- Was developed by the management of the Department of Water and Sanitation under the guidance of S Mchunu(MP);
- Takes into account all the relevant policies, legislation and other mandates for which the Department of Water and Sanitation is responsible.
- Accurately reflects the impact, outcomes and outputs which the Department of Water and Sanitation will endeavor to achieve over the period 2022/23 – 2024/25.

Ms ONV Fundakubi DDG: Corporate Services	
Ms F L. N W Lusenga DDG: Provincial and International Coordination	
Ms D Mochotlhi DDG: Water Resource Managemernt	
Mr M Moshodi DDG (Acting): Water Resources Infrastructure Management	
Mr L Manus DDG (Acting): Water Resources Regulation	
Ms T Sigwaza DG (Acting): Water Services Management	
Mr F Moatshe Chief Financial Officer: Main Account and Water Trading	
Dr SD Phillips Director-General	
Mrs Dikeledi Magadzi, (MP) Deputy Minister of Water and Sanitation	
M D Mahlobo (MP) Deputy Minister of Water and Sanitation	
Mr Senzo Mchunu (MP) Minister of Water and Sanitation	

List of abbreviations and acronyms

Abbreviation/ acronym	Description
ACIP	Accelerated Community Infrastructure Programme
AMD	Acid Mine Drainage
AMS	Asset Management Strategy
AMP	Asset Management Plan
AOR	Annual Operating Rules
APP	Annual Performance Plan
APP	Approved Professional Person
BBBEE	Broad-Based Black Economic Empowerment
BDS	Bulk Distribution System
BEE	Black Economic Empowerment
BWS	Bulk Water Supply
CE	Chief Executive
CFO	Chief Financial Officer
CHDM	Chris Hani District Municipality
CMA	Catchment Management Agency
CME	Compliance Monitoring and Enforcement
COGTA	Cooperative Governance and Traditional Affairs
CRO	Chief Risk Officer
DG	Director-General
DIRCO	Department of International Relations and Cooperation
DM	District Municipality
DMP	Demand Management Plan
DPME	Department of Planning Monitoring and Evaluation
DPSA	Department of Public Service and Administration
DSO	Dam Safety Office
DWS	Department of Water and Sanitation
EC	Eastern Cape
ECL	Environmental Critical Level
EIA	Environmental Impact Assessment
ELU	Existing Lawful Use
EME	Exempted Micro Enterprise
ESEID	Economic Sectors, Employment and Infrastructure Development
Ewulaas	Electronic Water Use Licence Application System
FBSan	Free Basic Sanitation
FDI	Foreign Direct Investment
FIDPM	Framework for Infrastructure Delivery and Procurement Management
FMFS	Flood Monitoring and Forecasting System
FOSAD	Forum for South African Directors-General

Abbreviation/ acronym	Description
FS	Free State
GA	General Authorisation
GCIS	Government Communication and Information System
GDP	Gross Domestic Product
GIS	Geographical Information System
GLeWAP	Greater Letaba Water Augmentation Project
GP	Gauteng
GW	Ground Water
GWS	Government Water Scheme
HYDSTRA	Hydrological Information System
ICT	Information Communication Technology
IRS	Implementation Readiness Study
IPAP	Industrial Policy Action Plan
IPCC	Intergovernmental Panel of Climate Change
IWA	International Water Association
JSE	Johannesburg Stock Exchange
KSD	King Sabata Dalindyebo
KZN	KwaZulu-Natal
l/c/d	Litre per capita per day
LM	Local Municipality
LP	Limpopo
m2	Metre squared
m3	Cubic metre
MIIF	Municipal Infrastructure Investment Framework
Ml	Megalitre
Ml/d	Megalitre per day
mm	Millimetres
MMS	Middle Management Service
MoU	Memorandum of Understanding
MP	Mpumalanga
MPAP	Municipal Priority Action Plan
MPAT	Management Performance Assessment Tool
MSP	Master System Plan
MTSF	Medium-Term Strategic Framework
MuSSA	Municipal Strategic Self-Assessments
MWIP	Municipal Water Infrastructure Programme
NAMP	National Asset Management Plan
NC	Northern Cape
NCMP	National Chemical Monitoring Programme
NDP	National Development Plan
NEDLAC	National Economic Development and Labour Council

Abbreviation/ acronym	Description
NEMP	National Eutrophication Monitoring Programme
NEsMP	National Estuary Monitoring Programme
NGIS	National Groundwater Information System
NIWIS	National Integrated Water Information System
NMMP	National Microbial Monitoring Programme
NOC	Non Overspill Crest
NPFWEGE	South African National Policy Framework for Women Empowerment and Gender Equality
NRW	Non-revenue water
NT	National Treasury
NW	North West
NWA	National Water Act
NWMP	National Wetland Monitoring Programme
NWRIA	National Water Resources Infrastructure Agency
NWRI	National Water Resources Infrastructure
NWRS-2	National Water Resources Strategy 2
NWSMP	National Water and Sanitation Master Plan
NWRS-3	National Water Resources Strategy 3
NWSRSS	National Water and Sanitation Resources and Services
OFO	Organising Framework for Occupation
O&MP	Operations and Maintenance Plans
ORWRDP	Olifants River Water Resource Development Project
OSD	Occupation Specific Dispensation
PEP	Project Execution Plan
PMU	Project Management Unit
PSC	Project Steering Committee
QSE	Qualifying Small Enterprise
RBIG	Regional Bulk Infrastructure Grant
REMP	River Eco-status Monitoring Programme
RDP	Reconstruction and Development Programme
RID	Record of Implementation Decision
RMP	Resource Management Plans
RQOs	Resource Quality Objectives
R&R	Rehabilitation and Refurbishment
RW	Rand Water
RWS	Regional Water Scheme
SABS	South African Bureau of Standards
SADC	Southern African Development Community
SALGA	South African Local Government Association
SCM	Supply Chain Management
SDG	Sustainable Development Goal
SDM	Sekhukhune District Municipality

Abbreviation/ acronym	Description
SEIAS	Socio-Economic Impact Assessment System
SIP	Strategic Infrastructure Project
SIV	System Input Volume
SMART	Specific Measurable Achievable Realistic Time-bound
SMS	Senior Management Service
StatsSA	Statistics South Africa
SW	Surface Water
SWPN	Strategic Water Partners Network
SPCHD	Social Projection, Community and Human Development
TCTA	Trans Caledon Tunnel Authority
TRA	Temporary Relocation Areas
TWG	Technical Working Group
VIP	Ventilated Improved Pit
VO	Variation Order
WAR	Water Allocation Reform
WARMS	Water Registration Management System
WB	Water Board
WC	Western Cape
WCDM	Water Conservation Demand Management
WDCS	Waste Discharge Charge System
WMI	Water Management Institution
WMS	Water Management System
WRPS	Water Resource Planning System
WRC	Water Research Commission
WS	Water Scheme
WSA	Water Service Authority
WSDP	Water Sector Development Plan
WSS	Water Supply Scheme
WTE	Water Trading Entity
WTP	Water Treatment Plant
WTW	Water Treatment Work
WULA	Water Use License Application
WULATS	Water Use License Application Tracking System
WWTP	Wastewater Treatment Plant
WWTW	Wastewater Treatment Work

PART A:
OUR MANDATE

1 LEGISLATIVE AND POLICY MANDATES

The legislative mandate of the water and sanitation sector seeks to ensure that the country's water resources are protected, used, developed, conserved, managed and controlled through regulating and supporting the delivery of effective water supply and sanitation.

1.1 Legislative mandate

The Department and the sector draw their primary mandate from the following legislation

1.1.1 The National Water Act, 1998 (Act No 36 of 1998) as amended

The National Water Act seeks to ensure that the country's water resources are protected, used, developed, conserved, managed and controlled in a sustainable and equitable manner for the benefit of all people.

The Act assigns the national government as the public trustee of the water resources. Acting through the Minister, it has the power to regulate the allocation, use, flow and control of all water in the Republic. It also identifies the need to establish suitable institutions in order to achieve its purpose. In addition, it provides for the development of the National Water Resources Strategy (NWRS) which must be regularly reviewed and the requirement of each Catchment Management Agency (CMA) to develop a catchment management strategy for the water resources within its jurisdiction.

1.1.2 The Water Services Act, 1997 (Act No 108 of 1997)

The Water Services Act prescribes the legislative duty of municipalities as water service authorities to supply water and sanitation according to national norms and standards. In addition, it regulates Water Boards as important water service providers.

The Act compels the Minister to maintain a National Water Services Information System and to monitor the performance of all water services institutions, as well as providing for the monitoring of water services and intervention by the Minister or the relevant Province when necessitated.

With reference to a "right to basic sanitation", this is the primary legislation relating to sanitation in South Africa. It further defines basic sanitation as: 'The prescribed minimum standard of services necessary for the safe, hygienic and adequate collection, removal, disposal or purification of human excreta, domestic wastewater and sewerage from households, including informal households. Further regulations, norms and standards pertaining to sanitation can be found in the Housing Act (No.107 of 1997).

It acknowledges that although municipalities have authority to administer water supply services and sanitation services, all government spheres are required to works towards this object, within the limits of physical and financial feasibility.

1.1.3 The Water Research Act, 1971 (Act No 34 of 1971)

The Water Research Act establishes the Water Research Commission and the Water Research Fund, and thus promotes water related research and the use of water for agricultural purposes, industrial purposes or urban purposes. The Minister appoints members of the Water Research Commission (WRC), and thus exercises executive oversight over the Commission.

1.2 Policy framework

1.2.1 **National Water Policy Review (2013):** the policy review determined unintended oversight and gaps in the existing water policies to provide amendment to address the following:

a) **Use-it or Lose-it:** Any authorised water use (including existing lawful use) unutilised for a specified period should be reallocated to the public trust. This water will be reallocated to address social and economic equity

b) **No water trading:** No form of temporary or permanent trading between authorised water users. The obligation for any holder of an entitlement to use water; if it is no longer utilised, is to surrender such use to the public trust.

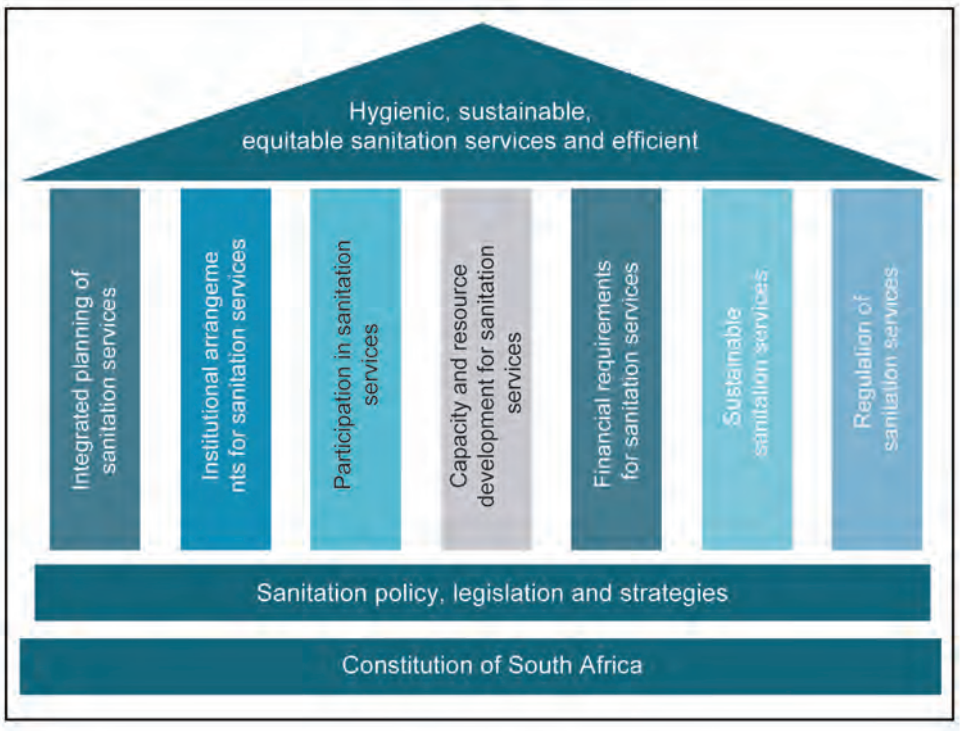
c) **Prioritising social and economic equity:** The ddecision making will have equity as the primary consideration. Priority will be accorded to water use authorisation applications that meet the equity requirement, as provided in the regulatory instruments.

d) **Multiple water use approach in planning:** A multiple water use approach incorporating all water uses in an area including water supply, must be adopted in planning of bulk water infrastructure. This approach will also have equity and transformation as a priority

e) **Access to basic water supply:** A water service authority (WSA) should work progressively or incrementally towards providing higher levels of a sustainable water supply to all households and public institutions, including rural areas. When planning, a WSA must consider a basic water supply which addresses current **domestic and productive use requirements, as well as future growth in these requirements**

f) **Free basic water supply to indigent households:** Free basic water supply will be provided to indigent households only.

1.2.2 **National Sanitation Policy (2016):** the policy review addresses the entire sanitation value chain (namely the collection, removal, disposal or treatment of human excreta and domestic wastewater, and the collection, treatment and disposal wastewater). The figure below indicates the categories under the seven (7) pillars of the policy



1.2.3 Other water and sanitation policies and strategies include the following:

a) White Paper on Water Supply and Sanitation (1994)
b) White Paper on National Water Policy for South Africa (1997)
c) White Paper on Basic Household Sanitation (2001)
d) Strategic Framework for Water Services (2003)
e) National Water Resources Strategy, Second Edition (2013)
f) Water and Sanitation Climate Change Policy (2017)

1.3 Legislative and policy mandates for cross cutting priorities

1.3.1 Employment Equity Act 55 of 1998: section 20(1).
1.3.2 Preferential Procurement Policy Framework Act 5 of 2000.
1.3.3 The Broad-Based Black Economic Empowerment Act 53 of 2003.
1.3.4 National Youth Policy 2015-2019
1.3.5 Youth Accord Pillars: (Youth Employment Accord April 2013)
1.3.6 South African National Policy Framework for Women Empowerment and Gender Equality (NPFWEGE), 2000.
1.3.7 Job Access Strategic framework for recruitment, employment and retention of people with disabilities (2006 – 2010).
1.3.8 Spatial Planning and Land Use Management Act of 2013
1.3.9 White Paper on the Rights of People with Disabilities in South Africa 2016.

2 INSTITUTIONAL POLICIES AND STRATEGIES OVER THE FIVE-YEAR PLANNING PERIOD

The National Development Plan (NDP) predicts that before 2030, all South Africans will have affordable, reliable access to sufficient safe water and hygienic sanitation[1]. The Industrial Policy Action Plan (IPAP) also sets out the intentions of South Africa in terms of expanding the manufacturing sector, which will increase water demand. To balance requirements and supply, South Africa will therefore need to reduce water demand, as well as increase supply for a growing population and economy in order to ensure water security.

2.1 **Mine Water Management policy:** the policy seeks to balance the mining sector's economic development with the protection and ensuring sustainable use of water resources in a manner that is beneficial to all. It will provide a coherent and integrated South African approach for sustainable mine water management by building on existing strengths; addressing gaps / weaknesses and seizing identified opportunities relating to mine water management (including acid mine drainage).

2.2. **Sustainable Hydropower Generation policy:** the policy aims to support the long-term energy master plan that pursues hydropower as part of the energy mix. In addition, it would provide policy positions on the establishment and development of hydropower from infrastructure owned by the DWS as part of long-term interventions that support and contribute towards sustainable power supply in South Africa.

2.3. **Integrated Water Quality Management policy:** the policy seeks to develop an intergovernmental water quality management approach which would facilitate an integrated response to address water quality management challenges in the country. The policy would strengthen the existing integrated water quality management strategy that identified priority programmes to be implemented country-wide.

1 Source: National Development Plan 2030, National Planning Commission (2012: 178)

2.4. **National Water and Sanitation Bill:** The Department has since deviated from the previous decision to consolidate the National Water Act and Water Services Act into one single legislation. The latest approach on legislative review is to undertake the amendment of the two Acts with the aim to identify immediate legislative interventions through separate amendments of the National Water Act (NWA) and Water Services Act (WSA), respectively. This is also part of the response as actioned or directed by the National Water and Sanitation Master Plan (NW&SMP) which has highlighted that the current legislative environment is overly complex, insufficiently streamlined and hampering effective service delivery, the attainment of transformation objectives and the leveraging of economic growth. Therefore, the Department of Water and Sanitation (DWS) has to lead a process that ensures that water and sanitation sector legislations are amended, aligned and ready for the future.

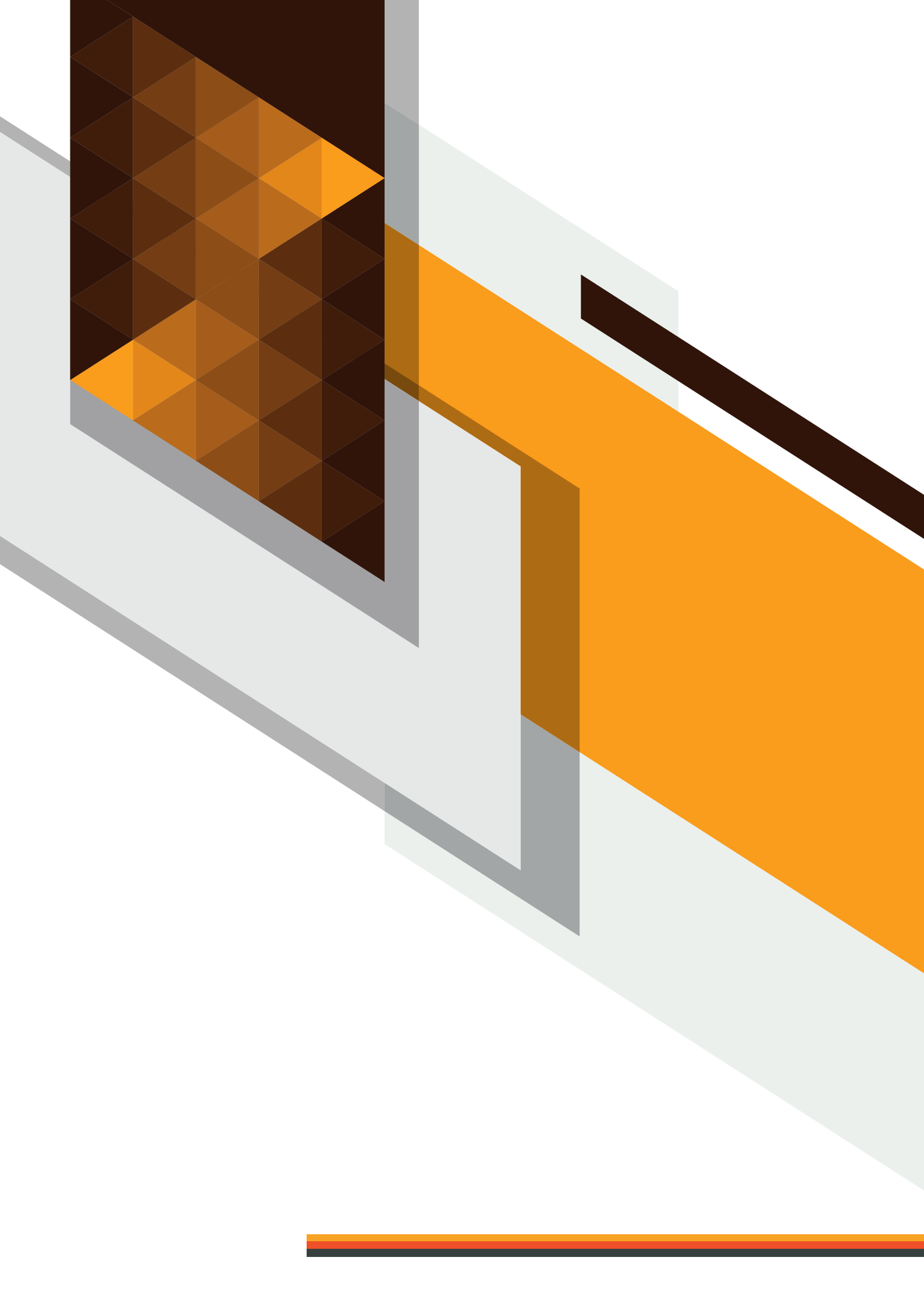
2.5. **National Water Resource Strategy third edition (NWRS-3):** (NWRS) provide the framework for the protection, use, development, conservation, management and control of water resources for the country as a whole.: the NWA requires the review of the NWRS at intervals of not more than five (5) years and this is the third edition of National Water Resources Strategy (NWRS-3).

2.6. **Review of the water pricing strategy:** The strategy review seeks to improve the financial viability of government's bulk raw water business to ensure that this scarce resource is valued by all citizens. One of the major changes of the review is to replace the Return on Asset to Future Infrastructure Built Charge over 10 year rolling period.

2.7. **National Water and Sanitation Master Plan:** The development of the National Water and Sanitation Master Plan (NW&SMP) was launched by the Deputy Minister of Water and Sanitation during the National Dialogue held on 22 May 2017. The NW&SMP operationalizes the NWRS and aims at mobilising the commitment and efforts of all role players and stakeholders in the water and sanitation sector towards collectively achieving the desired future state of the sector, as defined by the Government's vision, goals and targets until 2030 (NDP, SDG's, MTSF's and other key drivers). It will provide a critical overview of the present state in the sector and the key challenges it is currently facing, together with a consolidated plan of actions required to enable the achievement of the set targets. The plan of actions will include a detailed schedule of consolidated and prioritised interventions, actions, investments, projects and initiatives. For each action, the plan will define specific intermediate and final targets, the parties responsible for their achievement, the deadlines for delivery and the estimated costs or other required resources. The achievements will be monitored and evaluated annually by a dedicated PMU managed by the DWS. The NW&SMP will be a living document, which will be updated bi-annually to reflect the dynamics in the sector.

3 RELEVANT COURT RULINGS

Constitutional Court Case: Mazibuko and others vs. City of Johannesburg and Others (CCT 39/09) (2009) ZACC. In this case the Constitutional Court recognised that water is life and that everyone has the right to sufficient water.



PART B:
OUR STRATEGIC FOCUS

1 VISION

Equitable and sustainable water and sanitation that support socio-economic growth and development of the wellbeing of current and future generations.

2 MISSION

To ensure the universal access of all South Africans to equitable water resources and sustainable water and sanitation services, by:

- Protecting, developing, conserving, managing and regulating water resources;
- Managing, regulating and providing efficient and effective water and sanitation services;
- Providing strategic leadership and evidence-based policy direction to a coordinated water and sanitation sector for improved sector performance and service delivery;
- Building the skills and capabilities of the sector and enhancing information management to inform decision making; and
- Enhancing communication and stakeholder partnerships with communities and sector constituencies to advance the national development agenda.

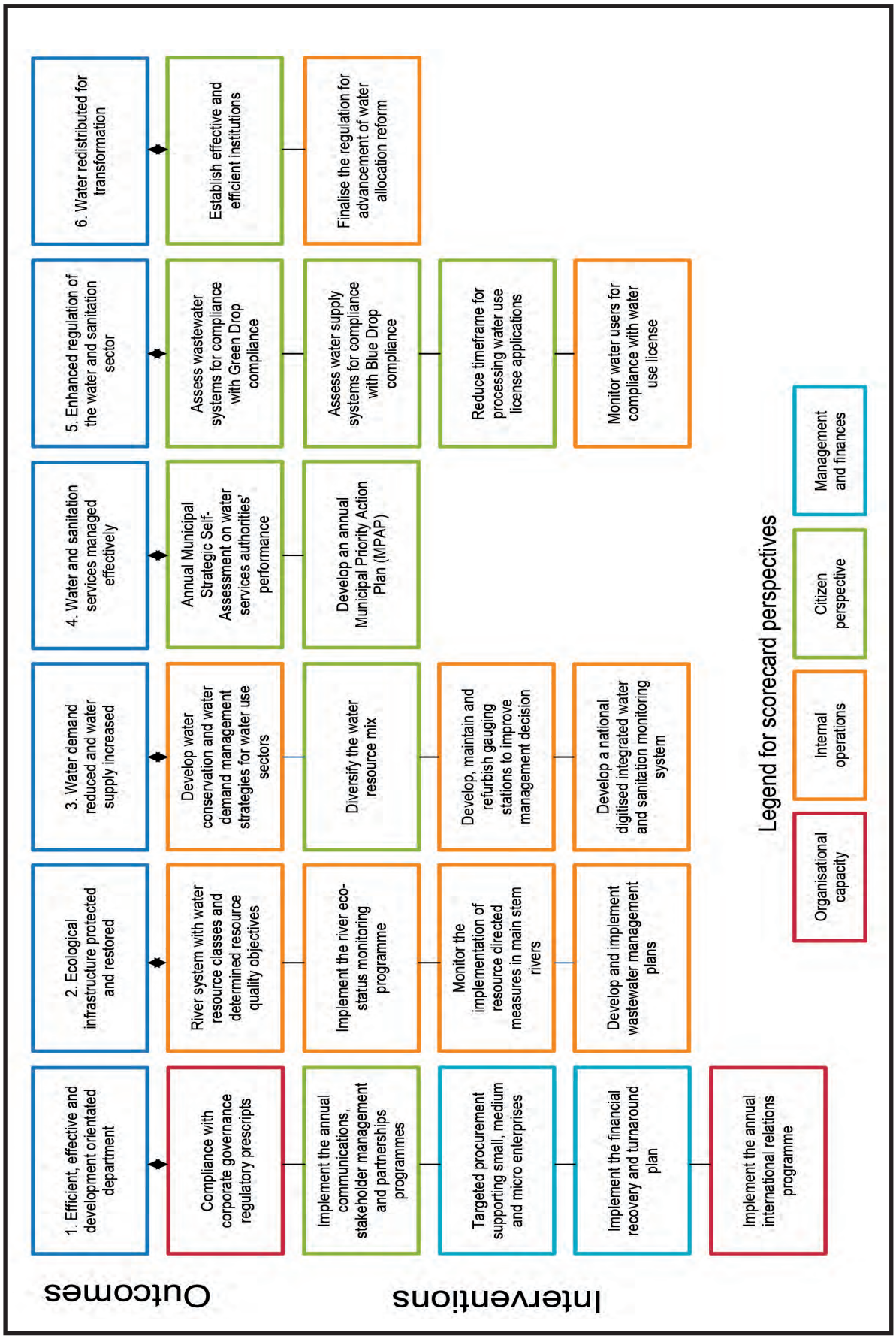
3 VALUES

- Providing services impartially, fairly, equitably and without bias;
- Utilising resources efficiently and effectively;
- Promoting and maintaining high standards of professional ethics;
- Responding to people's needs; citizens are encouraged to participate in policy-making;
- Rendering an accountable, transparent, and development -oriented public administration.

4 IMPACT STATEMENT

Water resources that are protected, used, developed, conserved, managed and controlled in a manner that supports ecologically sustainable economic and social development that transforms access to water to redress racial imbalances.

5 STRATEGY MAP OF THE DEPARTMENT



6 UPDATED SITUATIONAL ANALYSIS

Water crises are identified as one of the global risks in terms of societal impact. These are defined as a significant decline in the available quality and quantity of fresh water, resulting in harmful effects on human health and / or economic activity[2]. Furthermore, the World Bank Report (Damania et.al, 2019) has demonstrated that water pollution poses a threat to nearly all agreed Sustainable Development Goals (SDGs) to end environmental destruction, poverty and suffering by 2030.

6.1 External environment

Water crises are identified as one of the global risks in terms of societal impact. These are defined as a significant decline in the available quality and quantity of fresh water, resulting in harmful effects on human health and / or economic activity[3]. Furthermore, the World Bank Report (Damania et.al, 2019) has demonstrated that water pollution poses a threat to nearly all agreed Sustainable Development Goals (SDGs) to end environmental destruction, poverty and suffering by 2030.

There is a probability of the water crises in South Africa due to insufficient investment in water infrastructure; poor maintenance in existing water infrastructure; recurrent droughts driven by climatic variation; inequities in access to water and sanitation; deteriorating water quality, and a lack of skilled water engineers. These water crises are exacerbated by climate change which continues to present changes in temperature, precipitation and extreme weather events having a detrimental effect on both local and international confidence. The persistent challenges related to water security in South Africa are summarised below:

Increasing water demand and declining supply

Water, its quality, quantity, and availability, underpins all areas of life and the environment in South Africa. Water in South Africa has a powerful link not only to all aspects of the physical environment, but to poverty reduction, sustainability, equity, and economic development (Knight, 2019). Water mediates all aspects of health and sanitation, agriculture and food, ecosystems and biodiversity, and many other aspects of life and the environment (Rockström et al., 2014; Ziervogel et al., 2014).

South Africa has an arid to semi-arid climate, with a mean annual rainfall of approximately 500 mm which is well below the world average of 860mm. This rainfall produces a total annual runoff of approximately 49 000 million m^3/a. About 65% of South Africa has a mean annual rainfall of less than 500 mm. The country therefore experiences severe and prolonged hydrological droughts, which may last for up to 10 years at a time. Ultimately, only 9% of the rainfall that reaches the ground surface eventually becomes runoff into the South African river systems (WRC, 2015). Due to high temperatures, there is also a high rate of evaporation; as a result, the country's water resources are extremely limited.

Over the years, South Africa has built several dams to store water, however with the growing economy and growing population, there is a need for more dams, However, there are limited available sites to build those additional dams, and this will include a need for more funding. While great strides have been made to provide water services to households, several households remain without reliable water supply.

Water security is one of the biggest issues/challenges facing South Africa and the world in the 21st century. Based on projections, if no substantive action is taken the water deficit by 2030 could be between 2,7 and 3,8 billion m^3/a - a gap of about 17% of available surface and ground water. The growing requirements of neighbouring states for water from the shared river basins could further impact on water availability for South Africa.

[2] *Source: Global Risks Report, World Economic Forum (2019: 98)*
[3] *Source: Global Risks Report, World Economic Forum (2019: 98)*

Several national monitoring programs established by the Department are faced with challenges of lack of spatial representation, problems of data quality, data accuracy, administrative and financial challenges. This has led to gaps in the data due to a decline in the number of monitoring sites (including key stations) as well as changes in frequencies without considering the technical aspects of the stations and importance of data collected from such stations. This limits the provision of meaningful data for the compilation of the National State of Water Resources and poses a high risk to decision making and planning. There is an urgent need of repairing and maintaining measuring infrastructure, adopting new monitoring technologies, and improving data management and distribution.

During the past two hydrological years (HY) 2019/20 and 2020/21, as presented in Figure 1, an observation is made that large parts of the Northern Cape, central karoo parts of the Western Cape and the Eastern Cape have been experiencing below normal rainfall. Some of these areas has been experiencing dry conditions for the past eight years,

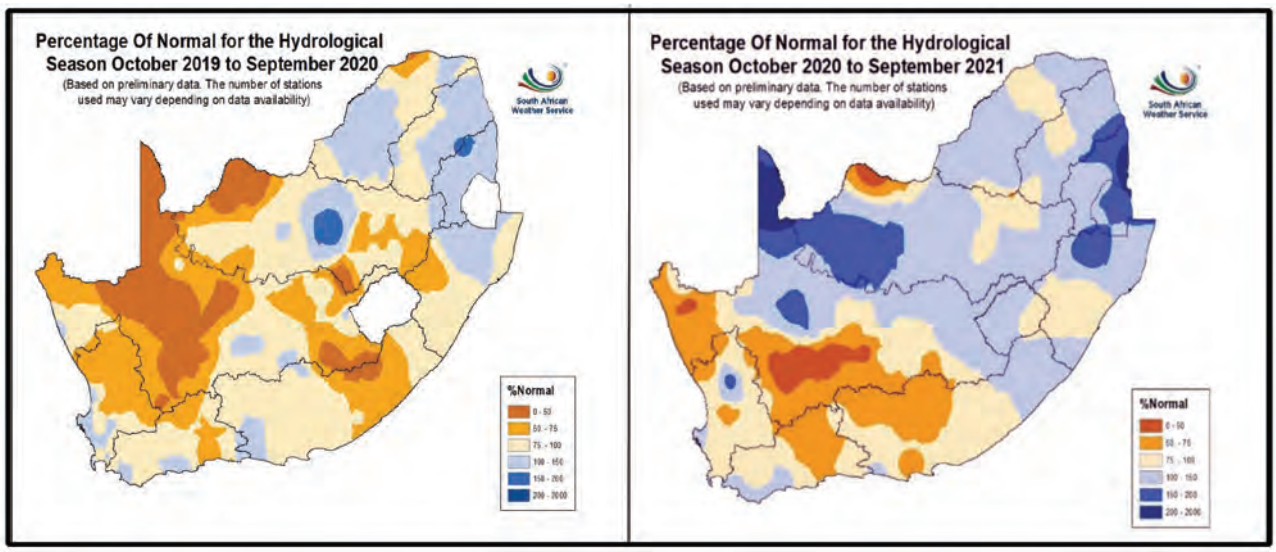


Figure 1 Percentage of normal for rainfall for hydrological year 2019/20 and 2020/21 (Source: SAWS)

The dry conditions in the Western Cape, Northern Cape and the Eastern Cape are evident from the long-term (36 months) SPI maps in Figure 2. However, on a short term (12 Month SPI) a recovery was observed in these areas, and generally in the whole country especially in the central and eastern parts.

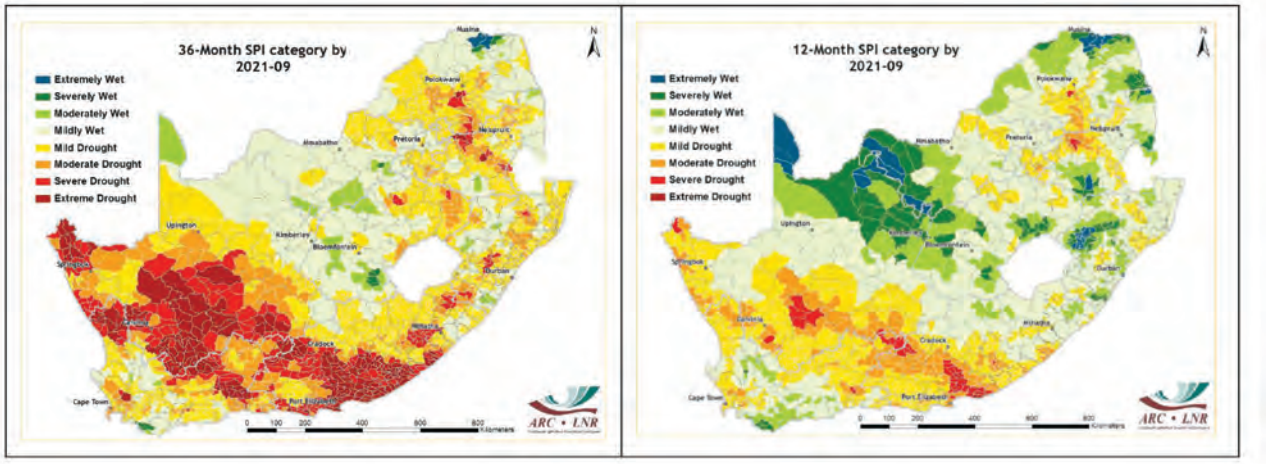


Figure 2 Spatial Precipitation Index (SPI) September 2021 (Source: ARC)

River systems are the common surface water expression of water availability in South Africa, with others being lakes, ponds, and pans. South African river systems and catchments are characterised by a spatial variation in rainfall, as well as variations in catchment sizes and physical properties. These result in different river patterns and dynamics within catchments and further in Water Management Areas, which have implications for water resource availability (Knight and Grab, 2018). The annual streamflow anomaly for the 2019/20 HY is presented in Figure 3.

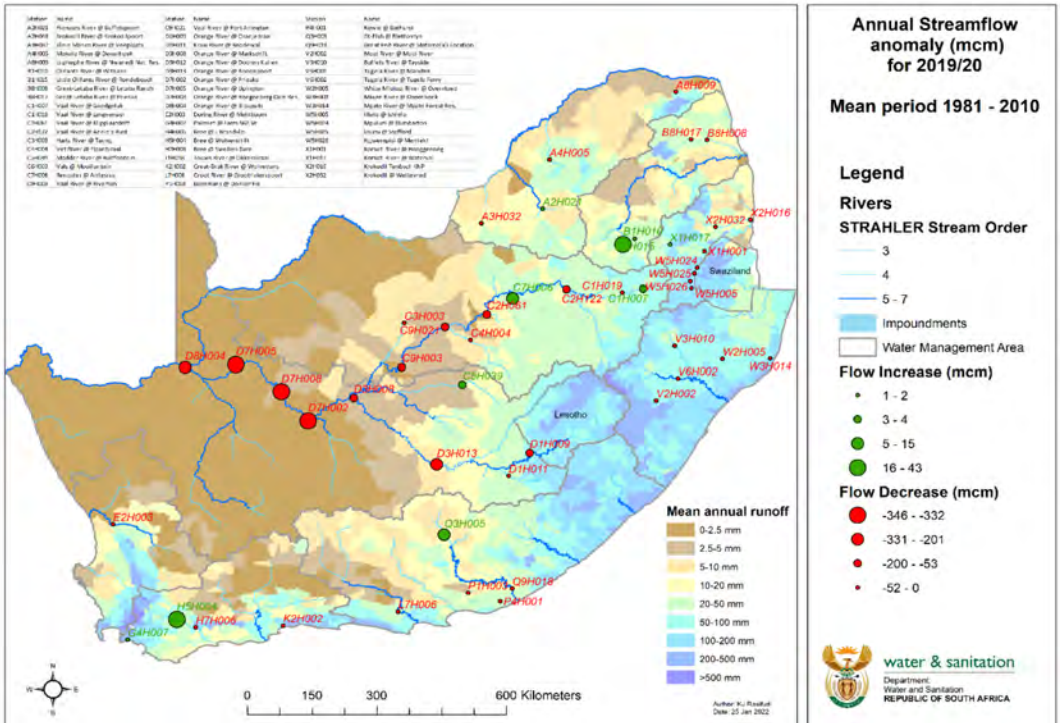


Figure 3 Annual streamflow anomaly for strategic river flow monitoring stations

An observation is made that due to operations of water supply systems within the Vaal and Orange water management areas, there has been a significant reduction of streamflow's from the normal flows in the Orange and the Vaal Rivers.

The country's water security is mainly reliant on fresh surface water, with ground water and return flows underutilised. There are currently 5 569 registered dams with a total gross storage capacity of over 33 291[4] million m³. Of these registered dams, 4 310 are small serving farms and municipalities. These smaller dams play a critical role in local water security and climate resilience. The total national potential for accessible groundwater, on the other hand, is approximately 4 500 million m³/a; of which between 2 000 and 3 000 million m³/a, is being utilised.

The total volume of surface water stored in dams nationally is expressed as a percentage of full supply capacity, based on monitoring data from 223 dams. Good rainfalls were received in the eastern half of the country during the December 2021 and the January 2022 months.

During December 2021, almost the whole country had received above normal rainfall. However, somewhat dry conditions were experienced in January in parts of Limpopo Province, KwaZulu-Natal, Eastern Cape, and the Western Cape. This has resulted in most of the dams in the summer rainfall region to either be full or spilling (See Figure 4). The top four large dams in the country were all full or spilling at the end of the January 2022, these are the Gariep, Van der Kloof, Vaal, and Bloemhof Dams.

[4] *Note: The total gross storage capacity is not an indication of the dam's current level but the design storage capacity when the dam is full (i.e. 100% storage).*

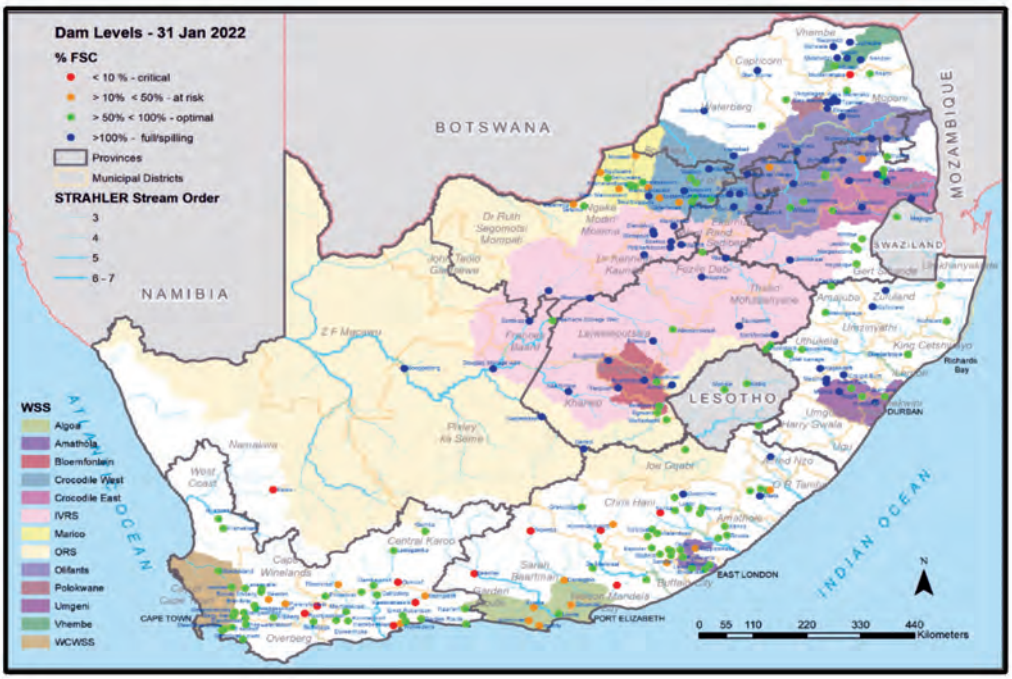


Figure 4 Surface water dam levels - 31 Jan 2022

The comparison of water storage between January 2021 and January 2022 is presented in Figure 5 below. Generally, all Provinces are experiencing storage levels that are higher than at the same time of reporting last year. These includes international areas sharing water resources with South Africa such as the Kingdom of Lesotho and the Kingdom of Eswatini.

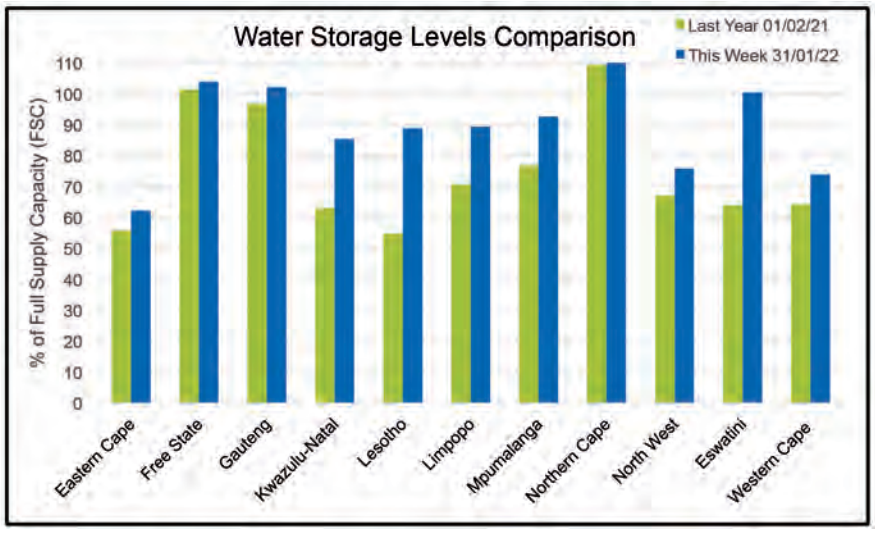


Figure 5: Water storage levels per province / country 2021 vs 2022

The Southern parts of the Eastern Cape Province were still experiencing low dam levels; hence the Algoa Water supply systems (WSS) continues to have water restrictions as an intervention and response to the low water storage levels. There are permanent restrictions which are applicable for the Polokwane and Bloemfontein system because of infrastructure limitations. The list of dams that are at critical storage levels are given in Table 1.

Table 1 Dams below 10% of FSC

Reservoir	River	Province/Country	2022/01/31 - % FSC)
Beervlei Dam	Groot River	Eastern Cape	1.6
Nqweba Dam	Sondags River	Eastern Cape	4.5
Nuwejaars Dam	Nuwejaarspruit River	Eastern Cape	3.5
Lake Arthur Dam	Tarka River	Eastern Cape	0
Bonkolo Dam	Bonkolo River	Eastern Cape	0
Middel-Letaba Dam	Middel-Letaba River	Limpopo	4.7
Karee Dam	Karee River	Northern Cape	8.4
Bellair Dam	Brak River	Western Cape - Other Rainfall	6.8
Oukloof Dam	Cordiers River	Western Cape - Other Rainfall	6.3
Kammanassie Dam	Kammanassie River	Western Cape - Other Rainfall	7.8
Hartebeestkuil Dam	Hartenbos River	Western Cape - Other Rainfall	7.2
Poortjieskloof Dam	Groot River	Western Cape - Winter Rainfall	7

The Department has established a monitoring programme for monitoring groundwater levels. Groundwater level fluctuations can be because of human-induced recharge, groundwater abstractions or reflection of climate variation and indicate the stress placed on the resource (Fourie, 2022).

The averages of the groundwater level status for September 2021 are mapped in Figure 6. The groundwater level value is presented as a percentage of the groundwater level status. The entire historical groundwater level monitoring record is assessed per borehole to ensure significant results and understanding. The groundwater level status of the geosites is averaged with the topo-cadastral 1:50 000 map sheet grid. It is important to note that the groundwater level status is not linked to groundwater availability and storage levels within an aquifer, but only gives an indication of water level.

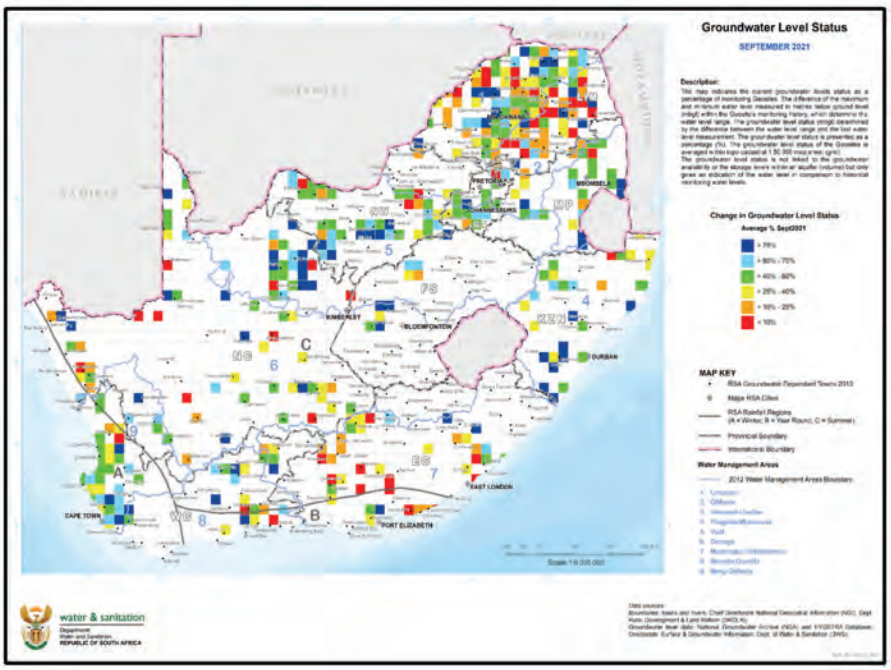


Figure 6: Groundwater level status September 2021

The groundwater level status for September 2021 indicates 'stressed' geosites in parts of the Limpopo, Northern Cape, and Eastern Cape Regions. Some of the aquifers in these regions are investigated on a case-by-case basis to determine management actions required.

To balance requirements and supply, South Africa will need to reduce water demand, as well as increase supply for a growing population and economy to ensure water security by 2030. Without demand management, currently planned infrastructure development and the broadening of the water mix will not be sufficient to balance supply and demand. However, if the targets of reducing physical losses in municipal systems are reached, as well as a reduction in the per capita consumption to the global average, in addition to the surface and groundwater supplies, and desalination, re-use and treated AMD, there will be a slight surplus available in 2030.

Deteriorating water ecosystems

South Africa's aquatic ecosystems include seven of the world's freshwater Eco regions, and are characterised by a wide range of river, wetland and estuarine ecosystem types. Many of these aquatic ecosystems make up the country's ecological infrastructure (i.e. nature's equivalent of built infrastructure) that generates and delivers benefits in the water value chain. Ecological infrastructure is currently an under-realised asset that can play a significant role in enhancing returns-on-investment in built infrastructure (e.g. dams), especially if its maintenance is explicitly incorporated into the planning and construction of built infrastructure.

Most of South Africa's freshwater come from catchments that receive the highest rainfall (i.e. strategic water source areas). There are 22 strategic water source areas occupying 8% of the land, however these provide 50% of the surface run-off (i.e. water in wetlands, streams and rivers). The strategic water source areas support the water needs of approximately 60% of the population, 67% of the national economic activity[5] and supply approximately 70% of irrigation water.

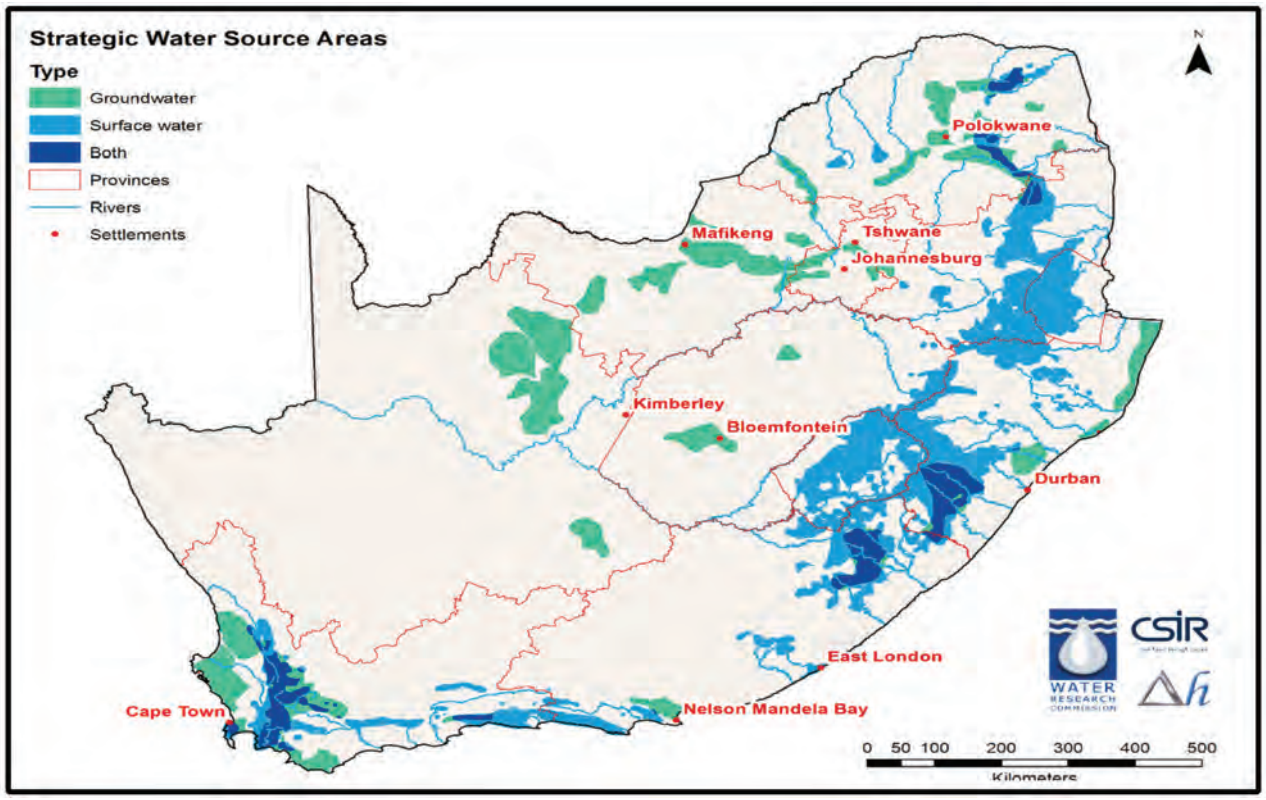


Figure 7: Spatial distribution of strategic water source areas
(Source: National Water and Sanitation Master Plan Volume 1, 2018: 36)

[5] *Source: Centre for Environmental Rights, https://cer.org.za/news/why-we-must-protect-south-africas-water-source-areas-now.*

Many of the high value aquatic ecological infrastructure assets are poorly protected, and in some areas of the country are under severe pressure, from intensive agriculture, mining and urban sprawl that results in loss or degradation of ecosystems. Like built infrastructure, ecological infrastructure needs to be maintained, and in some cases restored, in order for its socio-economic benefits to be realised.

It is estimated that South Africa has lost over 50% of its wetlands, and of the remaining 3.2 million ha (less than 5% of SA's land cover) a third are already in a poor condition limiting their ability to inter alia regulate water flow and purify water. The loss and degradation of ecological infrastructure negatively affects system yield and increases water-related risks. Degraded wetlands, for example, lose their ability to release water in times of drought, or to recharge groundwater supplies. Degraded ecological infrastructure increases the vulnerability of people and built infrastructure to floods and increases maintenance and repair costs on built infrastructure. It is often more cost effective to rehabilitate ecological infrastructure than to be faced with an ongoing need to repair or replace built infrastructure.

Unreliable water and sanitation services

Section 27(1) (b) of the Constitution indicates that *"everyone has the right to have access to sufficient water"* with section 10 indicating "everyone has inherent dignity and the right to have their dignity respected and protected"; which also applicable to sanitation.

In 1994, 15.2 million people were estimated to have no access to basic water supply and an estimated 20.5 million lacked basic sanitation. Twenty-five years later there is significant progress with 95% of the population provided with access to a basic water supply and basic sanitation service is provided to 79% of the population. Despite these achievements, more than 3 million people are estimated not have access to a safe and reliable water supply and an estimated 14.1 million people do not have access to safe sanitation.

The 2019 General Household Survey (GHS), measured the functionality of municipal water supply services from households that received water from a municipality twelve months prior to the survey. The survey indicated that the reliability of services to the country's households was estimated to be at 74.2% as 25.8% of households reported some dysfunctional water supply (i.e. interruptions that lasted more than 2 days at a time, or more than 15 days in total during the whole period). The figure below indicates that households in Limpopo and Mpumalanga reported the most interruptions, while households in the Western Cape and Gauteng experienced the least interruptions.[9]

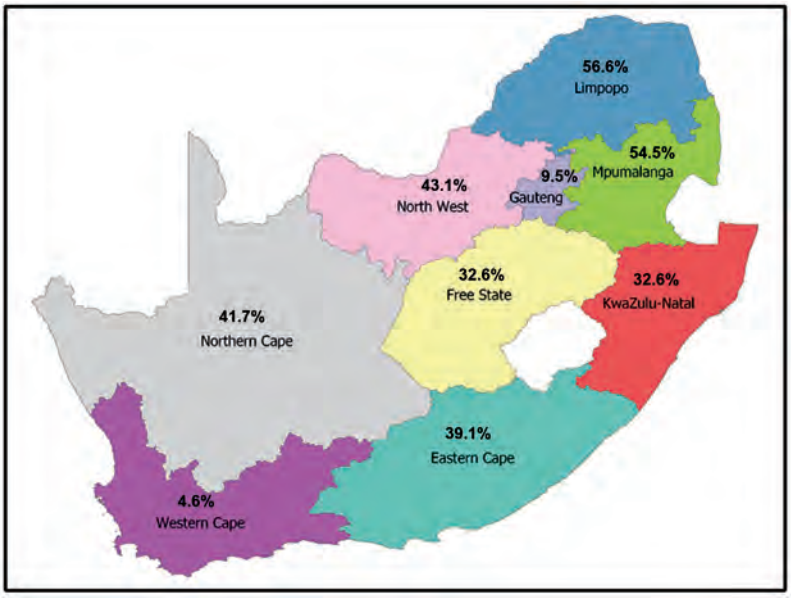


Figure 8: Percentage of households that reported water interruptions per province
(Source: Adapted from the General Household Survey, 2019: 40)

[6] *Source: General Households Survey, 2019: 40*

The failure of some water service authorities (municipalities) to provide reliable water and sanitation services is largely due to the lack of technical skills; institutional capacity and funding to operate, maintain and manage water and waste water infrastructure assets properly. Furthermore, is the limited budget allocated by some municipalities for operations and maintenance relative to new capital works; poor revenue management; and the failure to employ suitably qualified technical staff members. In addition, the national infrastructure grant funding mechanisms incentivise the building of new infrastructure, rather than the maintenance of existing infrastructure.

A case in point is the operations and maintenance of the country's water treatment works (WTW) and wastewater treatment works (WWTW). Approximately 56% of the over 963 WWTW and approximately 44% of the 1 010 WTWs are in poor or critical condition and in need of urgent rehabilitation. The poor state of water and wastewater treatment has significant implications for public health. It also impacts on the natural environment and the preservation of important natural assets, such as water resources. Proper sanitation is one of the key elements in improving environmental sanitation. The 2019 GHS reported that the percentage of households with access to improved sanitation increased from 61,7% in 2002 to 82,1% in 2019. (StatsSA, 2019: 42)

The 2019 GHS further reports that despite the improved access to sanitation facilities, many households continue to be without any proper sanitation facilities. Nationally, the percentage of households that continued to live without proper sanitation facilities have been declining consistently between 2002 and 2019, decreasing from 12,6% to 2,4% during 2019. (StatsSA, 2019: 44)

The constitutional water supply and sanitation services responsibility lies with 144 municipalities that are water services authorities (WSA). The 2020 Municipal Strategic Self Assessment reports that the business health[9] of at least 44% of these WSAs are on extremely vulnerability and are at a risk of failing. A further 31% of WSAs are on high vulnerability, 18% are on moderate vulnerability and 7% are on low vulnerability.[10]

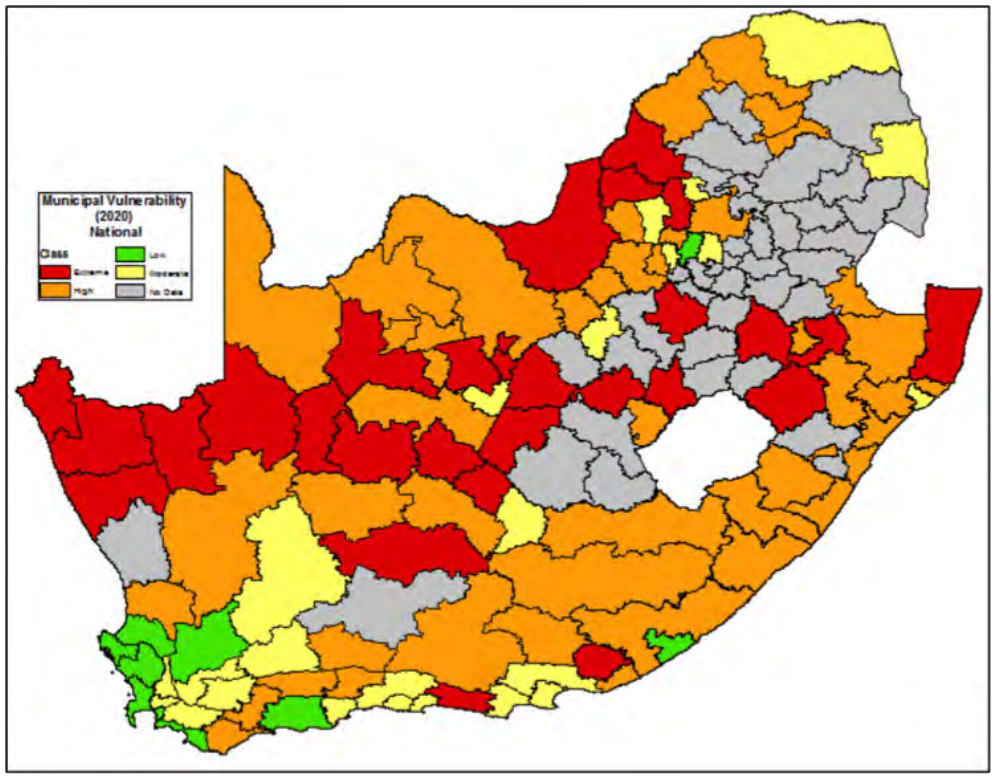


Figure 9: Water service authorities business health for 2020
Source: Municipal Strategic Self Assessment, 2020: 5

[9] *The 18 business health attributes include financial asset management, wastewater compliance revenue collection, water resource management, water conservation and demand management, staff skills and information technology.*

[10] *Source: Municipal Strategic Self Assessment, 2020: 5*

In addition, many of the smaller and/or rural municipalities are faced with financial challenges. The 2019 GHS indicated that nationally, 62.2% of the households were receiving salaries with 46.2% of the households receiving grant. The GHS reported that a household can have more than one income source; therefore the percentages do not amount to 100%[9].

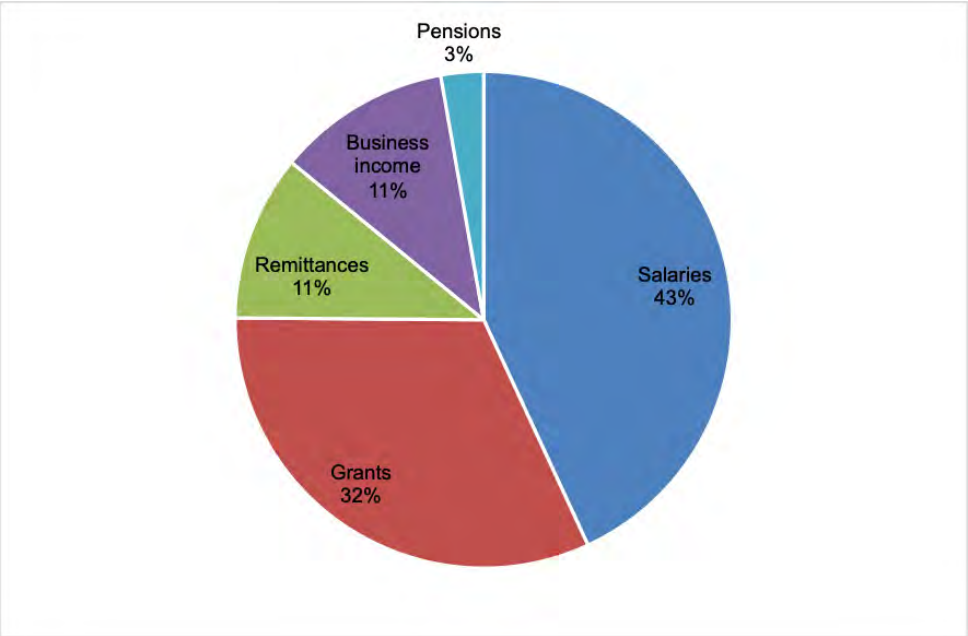


Figure 10: National percentage of household income distribution sources
(Source: Adapted from the General Household Survey, 2019: 57)

Municipalities with high levels of indigent households (i.e. earning less than R38 000 per year) are dependent on national grants to provide reliable and affordable water and sanitation services. In rural and/or smaller municipalities, the proportion of indigent household's is higher. It is consequently difficult for municipalities with a low revenue base to address their backlogs and to allocate sufficient funds for maintaining and operating existing works. In some areas, major water infrastructure runs through rural areas without supplying them (such as the Tugela-Vaal scheme).

Statistics South Africa estimates the mid-year population for South Africa in 2019 at 58, 78 million; of which 51.2% (approximately 30 million) is female and 28.8% is younger than 15 years[10] which reinforces the importance of investing in women and youth. In addition, high rates of urbanisation have a major impact on the demand for water supply and sanitation services.

Inequitable water allocation

The national water and sanitation policies and legislation mandate the water sector to provide universal and equitable access to reliable water supply and sanitation service. The sector is also mandated to protect, manage and develop the nation's water resources in a manner that supports justifiable and ecologically sustainable economic and social development and to transform access to water to redress racial imbalances.

Transformation is critical in ensuring that water for productive used for purposes is equitable; governance of water is representative; there is access to decent water and sanitation services for all. Despite both policy and legislative tools intended to enable the transformation of water allocation to redress the historical racial discrimination in access to water, little has been achieved since the National Water Act (NWA) was promulgated in 1998. This is particularly true in the agricultural sector, where around 95% of the water is estimated to be used by white commercial farmers.

The Existing Lawful Use (ELU) was intended as a transitional arrangement. However, 20 years after the NWA was promulgated, ELUs authorise the biggest volume of water used in the country.

[9] *General Household Survey, Statistics South Africa (2019: 57)*
[10] *Source: Mid-year population estimates, Statistics South Africa (2019: 5)*

While the restitution of agricultural land has been slower than intended, the reallocation of water has not always even kept pace with the transfer of that land. In some instances, the previous owners traded away their existing lawful water use rights, so that the water allocation was not transferred to land reform beneficiaries. According to The Institute for Poverty, Land and Agrarian Studies, more than 70% of commercial farms in the country are estimated to be owned by white farmers with about 39 000 white commercial farmers and 5 300 black farmers, according to the African Farmers Association of South Africa. Most of the black commercial farmers have relatively smaller farms.

The demand for land reform is high on the political agenda and will remain so until adequately addressed. Within the land reform programme, the transfer of some irrigable land without a water allocation has limited the ability of recipients to make productive use of the land. In addition, there are black farmers and entrepreneurs who have expressed their concerns about lack of access to water, and the challenges in getting water allocated for farming and enterprise development. The pressure to reallocate water to achieve more equitable water use thus remains high.

Weak regulation of the water and sanitation sector

Strong regulation is critical to achieve water security in South Africa, in terms of water quality (in rivers and taps), balancing demand and supply, ensuring the safety of dams, and being resilient to climate change impacts. Authorisation for water abstraction, waste discharge, and dam safety, and setting the charges for the use of raw water and the discharge of effluent are some of the tools used by the Department to regulate the water and sanitation sector.

Standards for water and sanitation services provision and associated tariffs are also governed by the Municipal Systems Act and the Municipal Finance Management Act. There are significant challenges in ensuring that WSA set appropriate tariffs that cover costs, including operation and maintenance costs, and that promote water use efficiency.

In addition to the national water and sanitation policies and legislation, WSAs are responsible for developing by-laws that, amongst others, enable regulation of water supply and sanitation provision and use within its area of jurisdiction. The South African Bureau of Standards (SABS) also sets several water quality standards for the water sector, including drinking water standards (SANS 241) and other relevant guidelines.

Despite strong regulatory tools in the legislation, the quality of raw water continues to deteriorate across the country in many parameters as depicted in figure 4 below. This deterioration poses a threat to economic growth, social development, health and hygiene and aquatic ecological functioning. Poor raw water quality increases the costs of treatment for domestic and industrial use. It also negatively impacts agricultural production.

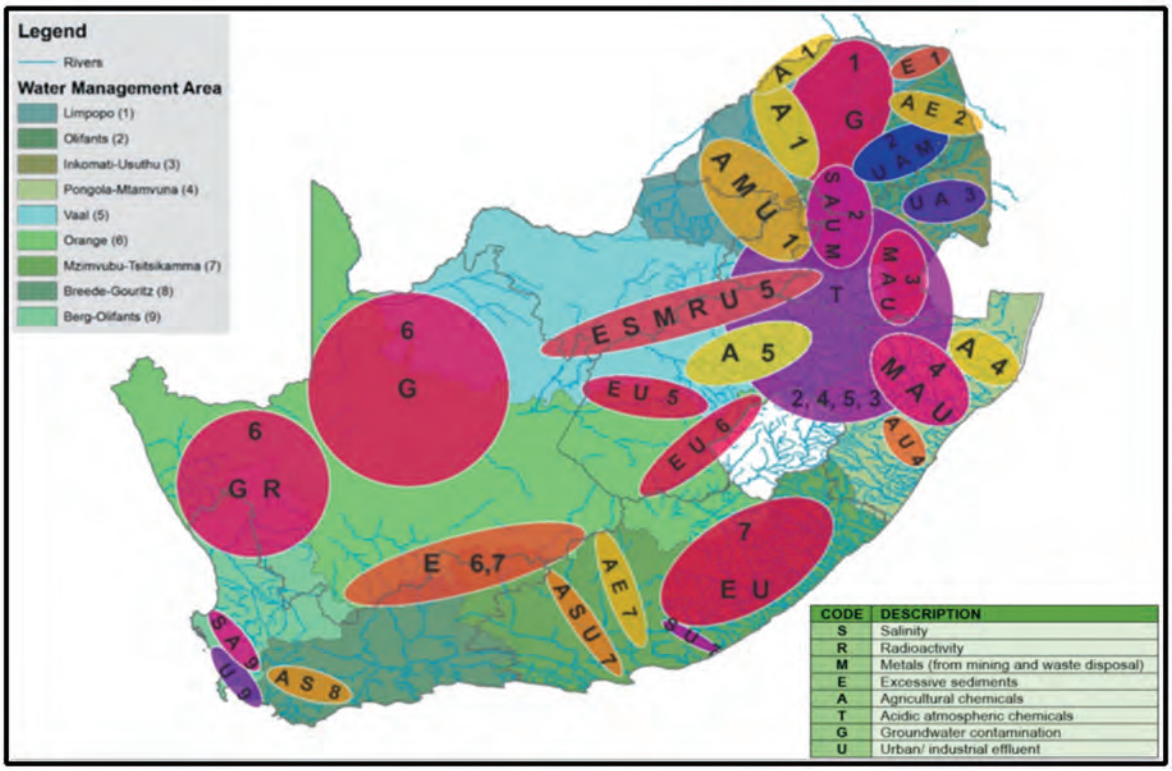


Figure 11: Water quality problems in the country
(Source: National Water and Sanitation Master Plan Volume 1, 2018: 30)

A case in point is the failure of some WSAs to deliver the requisite level of water supply and sanitation. This failure to meet drinking water quality standards is exacerbated by the cessation of the Blue, Green and No Drop assessments. In the 2014 Blue Drop assessment, 86% of WSAs achieved good or excellent status for microbiological water quality compliance, but only 70% achieved good or excellent status for water quality operational compliance.

The dam safety regulation is also severely strained owing to limited qualified personnel in the country. The National Water and Sanitation Master plan indicates that there are less than 100 dam safety approved professional persons (APPs) in South Africa (approximately 1 qualified person for every 50 dams on the dam safety register), and more than 66% of these APPs are older than 60 years of age.

The need to use the courts to impose sanctions on contraventions of water legislation hampers the ability to get speedy resolution on such matters. This is exacerbated by the overly complex water sector institutional landscape that is not sufficiently transformed and thus impacting the water value chain.

6.2 Internal environment

The assessment of the Department's resources and capabilities is essential in the realisation of this strategy. The assessment is summarised below:

Organisational alignment

From 2007, the Department had adopted an integrated approach on water resources and water services functions. This was evident in the 2014, organisational structure that received concurrence from the Department of Public Service and Administration (DPSA) and the National Treasury (NT).

When reviewing its organisational structure in 2019, several challenges inclusive of poor service delivery necessitated the Department's reconsideration of this integrated approach to separate the water resources and water services functions. Some of the drivers of this separation include the alignment with the:

- Existing National Water Act and Water Services Act;
- Sixth administration mandate;
- Outcomes-based budgeting arising from the compensation of employees' budget constraints; and
- Water and sanitation master plan.

The process of re-designing the functional organisational structure, also resulted in the review and development of the service delivery model, the mapping of business processes, standard operating procedures, service standards, a concise service delivery charter and the service delivery improvement plan.

The aforementioned initiative has provided the Department with an opportunity to align its budget structure with the organisational structure as well as ensuring that the complete organisational structure is funded in line with the Medium Term Expenditure Framework. As part of the implementation plan, the Department is in process of matching and placing employees against the structure and prioritising the filling of vacant posts. Implementation of the macro structure started on 01 April 2021 with the micro structure planned for implementation on 01 April 2022.

Managing data and information

With the emergence of the 4th Industry revolution, it has become increasing fundamental for ICT to play a critical role in transforming and enabling the department to meet its strategic goals. Employees have become more technology savvy, therefore demand better technology and faster networks at their respective workplaces to execute their functions. The department`s intentions is to continue with the modernisation of the ICT environment. To meet these requirements there is a need for ICT to partner with line of business to work together to unlock digital opportunities at the intersection of business and technology, looking for ways for business to adapt to the promise of technology. To this end, the department is in a process to develop a digital strategy which will focus on:

- Water resource monitoring value chain to use data to provide insight which supports evidence-based decision making.
- Improving employee experiences in the department
- Sustainability focused on water security and ecological infrastructure
- Automating and digitising critical business processes like water use permit applications and approvals.

The department` s objectives of modernization are to migrate the critical infrastructure to modern technologies such as cloud, while ensuring adherence to information security requirements. The benefit to be derived from this migration is to eliminate the legacy, silo applications and redundant and non-value adding infrastructure while also reducing the cost of ownership for IT. This will be achieved while ensuring the high availability of the current systems to support the business operations for the institution.

Financial resources

Funding of the water sector comprises capital for infrastructure development, operation and maintenance (O&M) along the water supply chain, as well as funding for governance (plan, organize, lead and control) and effective management of water and sanitation services provisioning.

The financial health of the water and sanitation sector, however, is challenged by a number of factors including but not limited to a funding gap; high non-revenue water; degradation of existing asset value; tariffs not cost reflective.

The Department funds and implements new bulk water resource infrastructure from the fiscus or through the Trans Caledon Tunnel Authority (TCTA) and collects revenue from its raw water provisioning.

Raw water billing is substantial, but revenue collection is failing. Water pricing is based on the “user-pays” principle and tariffs from users provide a significant cash inflow to the sector with billing of raw water of about R16 billion per annum to more than 85,000 users. Billing and collection is a major administrative and operating challenge with such a large user base

Revenue management within the Department is not optimal and not properly structured/geared to address the billing and collection challenges that exist.

Bulk raw water supply to domestic and industrial users (including mines and power stations) is often metered by the bulk user and the Department is not always directly involved, making meter reading problematic and erratic, impacting on billing and revenue collection.

Municipal accounts represent about 50% of the accumulated raw water debt at DWS, while water boards add another R1,7 billion, which is mostly also due to non-payment by local municipalities. Irrigation water revenue is at 46% of billable amount. Irrigation water is poorly metered, and billing is at best described as “ad-hoc”. The large irrigation schemes have established water user associations (WUAs) and irrigation boards (IRBs), who assist the Department with operation and maintenance of water distribution to irrigable farm areas and selected towns and industries located along the canals. Currently, 47 of the 240 WUAs are also assisting the Department with revenue collection through signed “billing agent agreements”

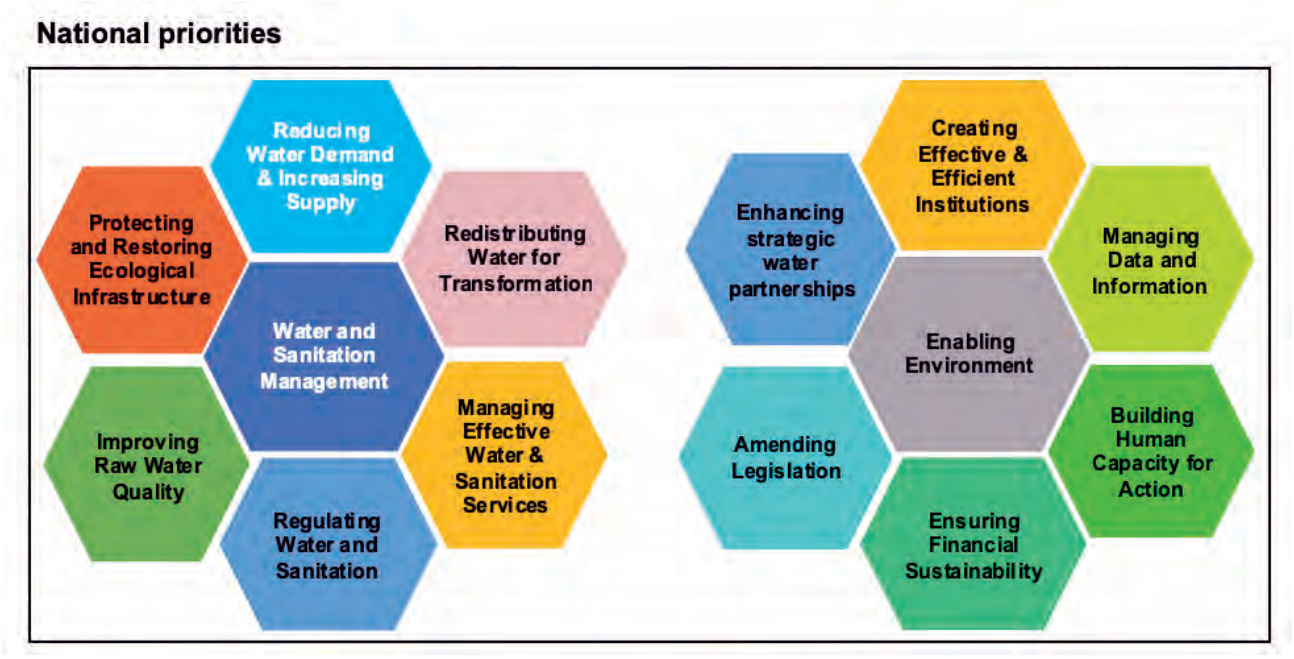


Figure 12: Water and sanitation sector priorities
(Source: National Water and Sanitation Master Plan Volume 1, 2018:6)

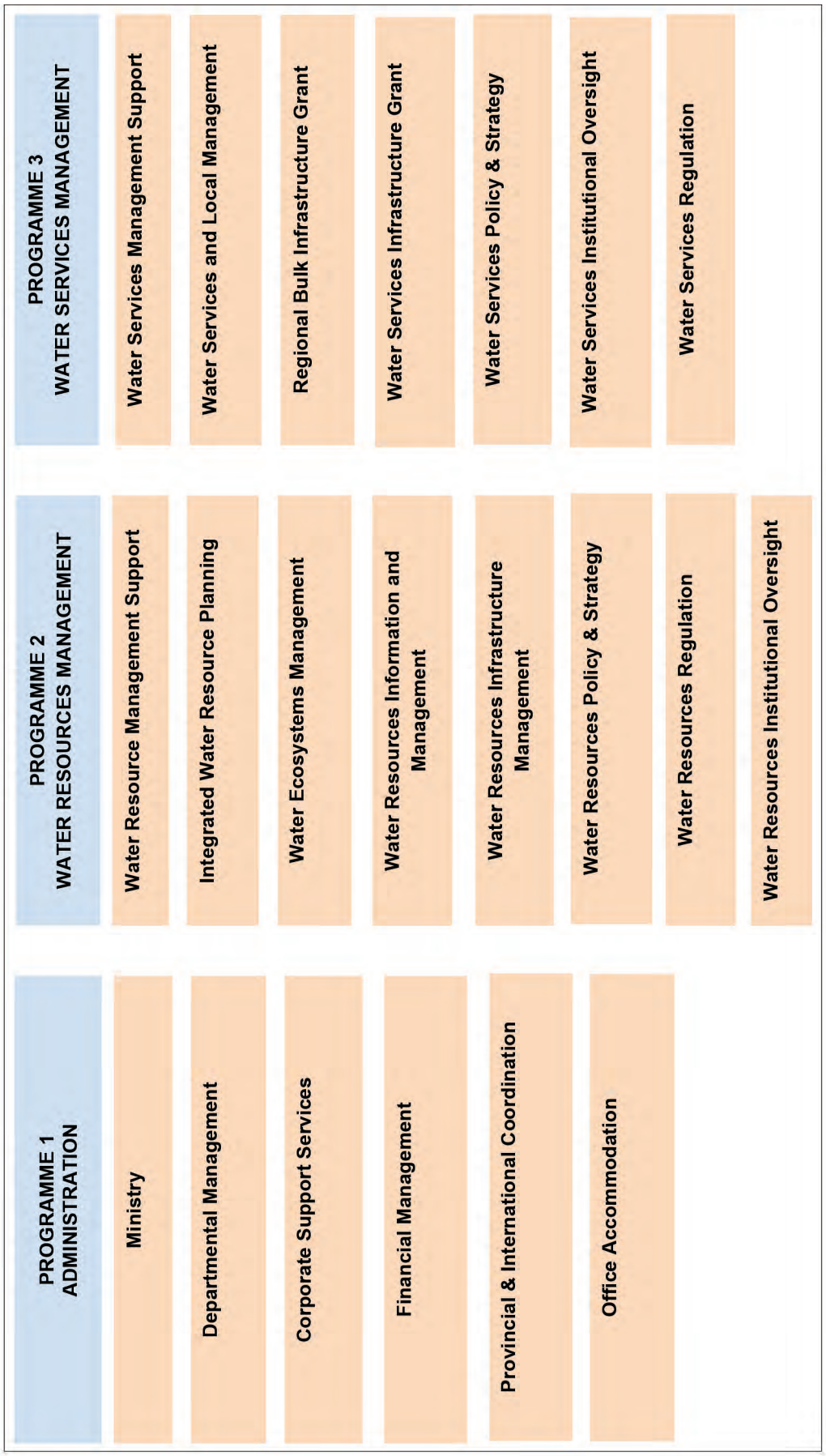


Figure 13: Budget structure of the Department

7 OVERVIEW OF THE 2022/23 BUDGET AND MEDIUM TERM ESTIMATES

7.1 Expenditure estimates

Programme	Audited outcome			Adjusted appropriation	Medium term expenditure estimates		
Rand thousand	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Administration	1 634 006	1 836 093	1 815 292	1 960 016	2 012 509	2 006 729	2 097 971
Water Resources Management	3 108 262	3 355 411	3 454 141	3 616 601	3 782 924	4 355 030	4 902 887
Water Services Management	11 877 165	10 870 679	11 925 777	12 158 440	12 744 236	13 793 478	13 912 429
Total	16 619 433	16 062 183	17 195 210	17 735 057	18 539 669	20 155 237	20 913 287

7.2 Expenditure trends

The department`s financial situation has improved since the implementation of the financial recovery plan in 2019 and has since maintained a positive bank balance amongst other matters that affected the financial status. The accruals and payable are continually being managed on a monthly basis to ensure that the department does not over commit the available budget.

The underspending of 14.7% in the 2020/21 financial year was mainly due to underspending on compensation of employees as a result of funded vacant posts across all programmes. Underspending on capital payment was as a result of the government enforced Covid-19 lockdown restrictions which impacted the implementation of the projects and some invoices that are disputed.

Considering all of the above challenges the department will continue to implement recommendation of the In-Year Monitoring and the financial recovery plan in order to continue to deliver services to the communities.

Over the MTEF, the department has been allocated a budget of R18.540 billion for 2022/23, R20.155 billion for 2023/24 and R20.913 billion for 2024/25 as follows:

Compensation of employees

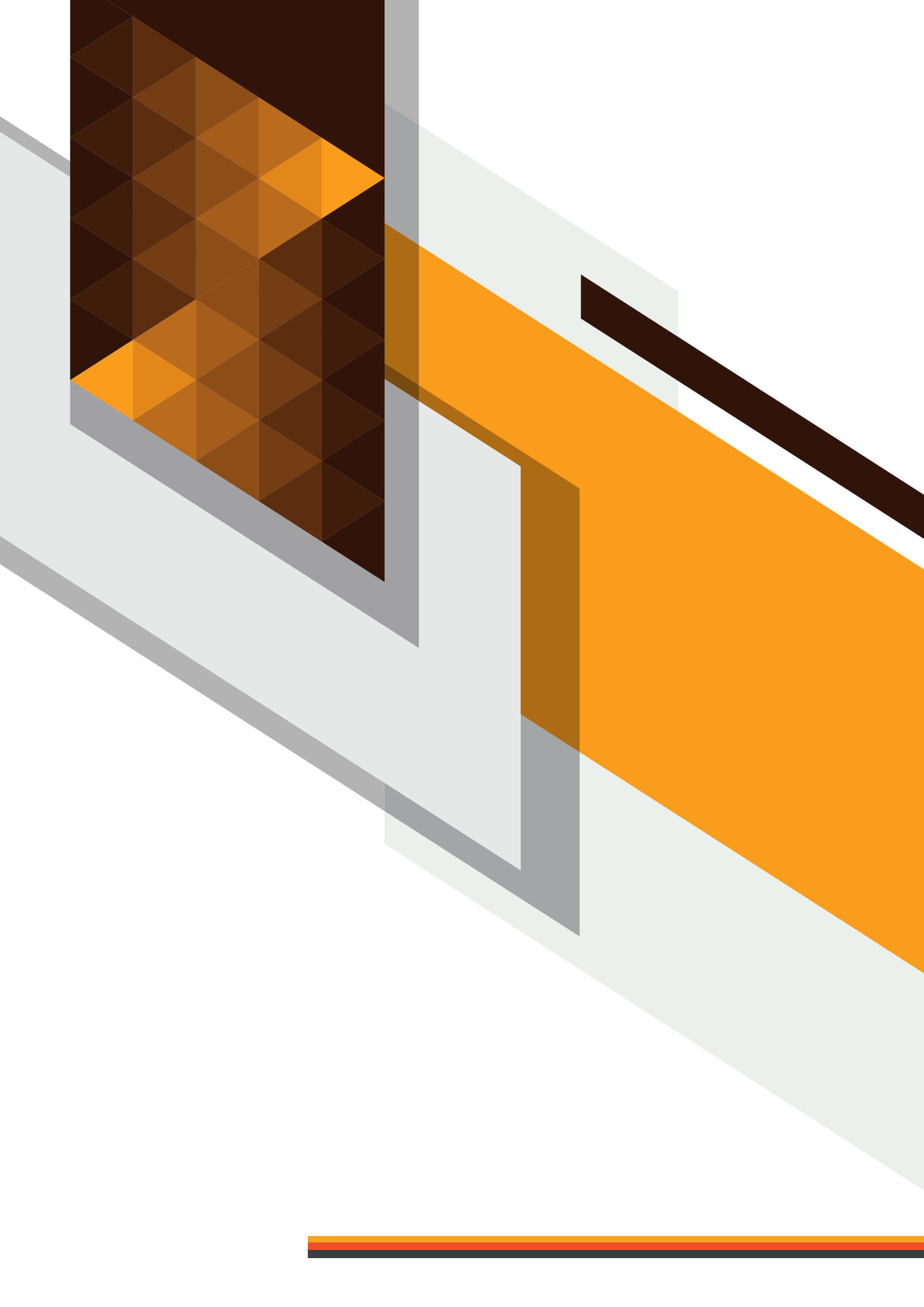
The budget for compensation of employees over the medium term is R5.398 billion. The baseline decreased by R64.000 compared to the 2021 MTEF baseline of R5.334 billion. The decrease in baseline allocation is mainly due to the National Treasury implementing budget cuts on compensation of employees across all government Departments.

Good and services

The Department received an allocation baseline of R5.332 billion for goods and services over the MTEF; of which R1.943 billion is allocated for office accommodation in programme 1. The major spending items on goods and services over the MTEF are audit fees R139.037 million, communication services R135.158 million, computer services R596.088 million, business and advisory services R506.644 million and infrastructure and planning services R726.813 million.

Transfers and Subsidies

The Department will be implementing transfers to the WTE for augmentation projects for the design, construction, commissioning and rehabilitation of raw water infrastructure, including dams and bulk distribution systems, operations and maintenance; Komati Basin Water Authority for the repayment of outstanding loans to various financial institutions and operational overheads. Further to these, there will be transfers relating to infrastructure projects Regional Bulk Infrastructure Grant (R12.894 billion over the MTEF) and Water Services Infrastructure Grant (R11.603 billion over the MTEF), which are based and dependent on implementation plans, cash flow projections and payment schedule for conditional grants.



PART C:
MEASURING PERFORMANCE

1 INSTITUTIONAL PROGRAMME PERFORMANCE INFORMATION

1.1 Programme 1: Administration

Provides strategic leadership, management and support services to the Ministry and the Department through various activities such as financial management, shared corporate support services, as well as the coordination of water resources between neighbouring countries.

1.1.1 Sub-programmes

Ministry provides for administrative support to the Minister, the Deputy Minister and their support staff, as well as making provisions for their salaries

Departmental Management provides policy and strategic direction for water and sanitation management including independent, objective assurance and advisory services to improve the department's operations such as risk management and internal audit.

Corporate Services provides enterprise-wide needed support based on specialised services such as human resources management, legal services, communications, corporate planning, monitoring and evaluation as well as and technology to serve internal customers.

Financial Management provides for planning, organising, controlling and monitoring financial resources with a view to achieve organisational goals and objectives.

Office Accommodation makes payments for rental charges on all leased office space occupied by the department, and for municipal services such as electricity, water, and sewage and waste removal.

Provincial and International Coordination provides for the coordination of international relations on water and sanitation with neighbouring countries, salaries and operational budgets for the Department's regional office heads

1.1.2 Outcomes, outputs, performance indicators and targets

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
1	Efficient, effective and development orientated department	1.1	Compliance with corporate governance regulatory prescripts	1.1.1	Percentage compliance with approved audit plan	-	38% (8/21)	113%	80%	80%	80%	80%
				1.1.2	Percentage compliance with the implementation of risk management plan	-	38% (8/21)	100% (21 of 21)	100%	100%	100%	100%
				1.1.3	Percentage vacancy rate for engineers and scientists	-	112% (742 of 662 posts)	An average of 120%	≤10%	≤10%	≤10%	≤10%
				1.1.4	Percentage of training interventions implemented in the department	-	-	Draft ToR for couching and mentorship	50%	50%	50%	50%
				1.1.5	Number of safety and security assessments for facilities and installations conducted	-	-	82	64	64	64	64
				1.1.6	Percentage of information technology systems availability	-	-	96%	90%	90%	90%	90%
		1.2	Annual Communication and Public Participation Programme implemented	1.2.1	Percentage implementation of the 2022/23 Annual Communication and Public Participation Programme	Communications related activities implement	58%[11] (1251 of 2 172)	141% (i.e.1252 of 887)	97%	98%	98%	98%

[11] The historical data has been revised to align with the separation of the annual communication and intergovernmental relations programmes

Outcome	Outputs		Output Indicators		Annual Target						
					Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
					2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
	1.3	Targeted procurement supporting SMMEs	1.3.1	Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)	49%	49%%	17%	15%	15%	15%	15%
				a) Women	-	-	-	40%	40%	40%	40%
				b) Youth	-	-	-	30%	30%	30%	30%
				c) People with disabilities	-	-	-	7%	7%	7%	7%
			1.3.2	Percentage of targeted procurement budget spent on exempted micro enterprises (EME)	89%%	84%	51%	15%	15%	15%	15%
				a) Women	-	-	-	40%	40%	40%	40%
				b) Youth	-	-	-	30%	30%	30%	30%
				c) People with disabilities	-	-	-	7%	7%	7%	7%
	1.4	Financial recovery and turnaround plan implemented	1.4.1	Percentage implementation of the financial recovery and turnaround plan	-	-	69%	90%	90%	100%	90%
			1.4.2	Percentage expenditure on annual budget	98%	92%	85%	100%	100%	100%	100%
			1.4.3	Number of debtor days	191 days	207 days	227 days	120 days	150 days	100 days	80 days

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
		1.5	Annual International Relations Programme implemented	1.5.1	Percentage implementation of 2022/23 annual International Relations programme	Signed terms of reference sent to Water Aid for perusal and further action	Annual analysis on the implementation of the approved international relations programme	67% (95/141)	75%	75%	75%	75%
		1.6	Annual stakeholder management and partnership programme implemented	1.6.1	Percentage implementation of 2022/23 annual stakeholder management and partnership programme implemented	-	74%[12] (i.e.57 of 77)	133% (i.e.88 of 66)	New Indicator	95%	96%	97%

[12] The historical data has been revised to align with the separation of the annual communication and intergovernmental relations programmes

1.1.3 Indicators, annual and quarterly targets

Departmental Management sub-programme

Output Indicators		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
1.1.1	Percentage compliance with approved audit plan	80%	20%	40%	60%	80%
1.1.2	Percentage compliance with the implementation of risk management plan	100%	100%	100%	100%	100%

Corporate Services sub-programme

Output Indicators		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
1.1.3	Percentage vacancy rate for engineers and scientists	≤10%	≤10%	≤10%	≤10%	≤10%
1.1.4	Percentage of training interventions implemented in the department	50%	10%	20%	35%	50%
1.1.5	Number of safety and security assessments for facilities and installations conducted	64	16	16	16	16
1.1.6	Percentage of information technology systems availability	90%	90%	90%	90%	90%
1.2.1	Percentage implementation of the 2022/23 Annual Communication and Public Participation Programme implemented	98%	23%	48%	71%	98%

Financial Management sub-programme

	Output Indicators	Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
Main Account milestones						
1.3.1.1	Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)	15%	15%	15%	15%	15%
	a) Women	40%	40%	40%	40%	40%
	b) Youth	30%	30%	30%	30%	30%
	c) People with disabilities	7%	7%	7%	7%	7%
1.3.2.1	Percentage of targeted procurement budget spent on exempted micro enterprises (EME)	15%	15%	15%	15%	15%
	a) Women	40%	40%	40%	40%	40%
	b) Youth	30%	30%	30%	30%	30%
	c) People with disabilities	7%	7%	7%	7%	7%
1.4.1	Percentage implementation of the financial recovery and turnaround plan	90%	88%	89%	89%	90%
1.4.2	Percentage expenditure on annual budget	100%	25%	50%	75%	100%
Water Trading milestones						
1.3.1.2	Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)	15%	15%	15%	15%	15%
	a) Women	40%	40%	40%	40%	40%
	b) Youth	30%	30%	30%	30%	30%
	c) People with disabilities	7%	7%	7%	7%	7%
1.3.2.2	Percentage of targeted procurement budget spent on exempted micro enterprises (EME)	15%	15%	15%	15%	15%
	a) Women	40%	40%	40%	40%	40%
	b) Youth	30%	30%	30%	30%	30%
	c) People with disabilities	7%	7%	7%	7%	7%
1.4.3	Number of debtor days	150 days	150	150	150	150

Provincial and International Coordination sub-programme

Output Indicators		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
1.5.1	Percentage implementation of 2022/23 annual International Relations programme	75%	75%	75%	75%	75%
1.6.1	Percentage implementation of 2022/23 annual stakeholder management and partnership programme implemented	95%	23%	48%	71%	95%

1.1.4 Reconciling performance targets with the budget over the medium term

Programme	Audited outcome			Adjusted appropriation	Medium term expenditure estimates		
Rand thousand	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Ministry	57 089	56 410	40 355	85 030	48 213	46 039	47 871
Departmental Management	98 293	142 718	166 946	159 234	169 122	175 638	183 062
Corporate Services	671 428	764 236	729 157	832 611	839 543	825 741	864 431
Financial Management	254 112	267 079	264 046	263 510	279 317	271 143	283 006
Office Accommodation	474 994	481 378	518 980	514 446	561 128	574 431	600 228
Provincial and International Coordination	78 090	124 272	95 808	105 185	115 186	113 737	119 373
Total	**1 634 006**	**1 836 093**	**1 815 292**	**1 960 016**	**2 012 509**	**2 006 729**	**2 097 971**

1.1.5 Programme abridged risk management plan

Link to output		Risk	Risk description	Mitigation measures
1.1	Compliance with corporate governance regulatory prescripts	Service delivery risk / technology and systems risk	Outdated Information and Communication Technology applications and infrastructure	Modernisation of information technology applications and infrastructure over the term of the strategic plan
		Safety and security	Theft, vandalism and personal injuries	• Conduct security and implement audit recommendations on security measures recommendation • Classify some of the critical infrastructure assets as a National Key Points.
		Human resources risk	Inability to retain certified engineers	Implement the OSD policy/ directive on critical and technical skills
1.4	Financial recovery and turnaround plan implemented	Financial risk	Non-payment of debts by water boards / municipalities and other users	Implementation of incentive scheme and revenue enhancement strategy by embarking on an aggressive debt collection process

1.2 Programme 2: Water Resources Management

Is responsible for the protection, use, development, conservation, management and control of water resources in a sustainable manner for the benefit of all people and the environment. It provides for the development of a knowledge base for proper planning and informed decision making. It also provides for the development of effective policies and procedures as well as oversight of all water resource management institutions.

1.2.1 Sub-programmes

Water Resource Management Support provides strategic leadership, management and support services to the programme as well as making provisions for associated salaries.

Integrated Water Resource Planning develops comprehensive plans for adequate water resource availability (quantity/ quality) in an equitable and environmentally sustainable manner to guide infrastructure development, systems and services management in the water sector.

Water Ecosystems Management develops and implements measures to protect water resources through determining measures to manage water resources and developing guidelines and protocols for pollution control and rehabilitation.

Water Resource Information and Management establish, coordinate and audit water resources monitoring networks /programmes; and develop and maintain integrated water information systems for data and information acquisition, assessment and management in order to create a knowledge base on all water aspects for informed decisions on water management.

Water Resources Infrastructure Management develops, rehabilitates and refurbishes bulk raw water resources infrastructure to meet the socio-economic and environmental needs of South Africa.

Water Resources Policy and Strategy develops water resources management policies and procedures and reviews the implementation thereof. This entails periodical review of the National Water Resource Strategy

Water Resources Regulation develops, implements, monitors and reviews water resource regulations particularly raw water pricing regulation; water use authorisation; compliance monitoring and enforcement; dam safety and resource protection and waste.

Water Resources Institutional Oversight is responsible for institutional governance and oversight of all water resource institutions and to facilitate their establishment and development. This entails establishing fully functional entities; providing institutional support, advisory services to CMAs, TCTA, WRC and WUAs.

1.2.2 Outcomes, outputs, performance indicators and targets

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
2	Ecological infrastructure protected and restored	2.1	Water resource classes and Resource Quality Objectives determined and monitored	2.1.1	Number of river systems with water resources classes and determined resource quality objectives	0	0	0	0	1	0	3
								Final Water Resource Classes report finalised (Thukela)	Review the implementation plan for the water resource classes and the RQOs (Thukela)	Final legal notice for Thukela	-	-
										-	Review draft WR classes report (Usutu to Mhlathuze)	Usutu (draft gazette template)
										-	EWR Quantification report (Keiskamma)	Keiskamma (RQO Report)
										-	Draft operational scenarios & consequences report (Levhubu catchment)	Levuvhu (RQO Report)
				2.1.2	Number of river systems monitored for the implementation of resource directed measures	-	-	New indicator	2	4	6	8
									Inkomati-Usutu	Inkomati-Usutu	Inkomati-Usutu	Inkomati-Usutu
									Berg Olifants	-	-	-
									-	Olifants Doorn	Olifants Doorn	Olifants Doorn
									-	Vaal (Upper, Middle and Lower)	Vaal (Upper, Middle and Lower)	Vaal (Upper, Middle and Lower)
									-	-	Limpopo (Mokolo, Matlabas)	Limpopo (Mokolo, Matlabas)
									-	Letaba	Letaba	Letaba
									-	-	-	Mvoti to Mzimkhulu
									-	-	Crocodile (West & Marico)	Crocodile (West & Marico)
									-	-	-	Olifants

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
				2.1.3	Number of rivers in which the River Eco-status Monitoring Programme is implemented	71	76	77	81	70	81	78
		2.2	Wastewater management plans developed and implemented	2.2.1	Number of catchment mitigation strategies and plans developed for mine water and wastewater treatment works	Mitigation strategy developed for the Pongola-Mtamvuna WMA	1	2	2	2	2	1
							Crocodile (West) -Limpopo	Orange	Upper Vaal	Olifants (Upper)	Inkomati-Usutu	Vaal (Middle-Lower)
							-	Mzimvubu-Tsitsikama	Crocodile	Limpopo	Olifants (Middle-Lower)	-
				2.2.2	Number of catchment plans implemented for mine water and wastewater management	0	0	New Indicator	1	2	2	2
									Vaal monitored for implementation	Orange	Crocodile	Olifants (Upper)
									-	Mzimvubu-Tsitsikamma	Limpopo	Inkomati-Usuthu
				2.2.3	Waste Discharge Charge System (WDCS) piloted country wide	-	Review of existing gap analysis on WDCS	Methodology and management approach to implement the WDCS developed	Pilot WDCS in 3 WMAs	Final Draft WDCS Strategy	Implement WDCS in 3 WMAs	Implement the WDCS nationally
									Vaal	-	Vaal	
									Crocodile (West)-Limpopo	-	Crocodile (West)-Limpopo	
									Olifants	-	Olifants	
3	Water demand reduced and water supply increased	3.1	Integrated water resource plans / measures developed	3.1.1	National Water and Sanitation master plan (NW&SMP) updated	Master Plan developed	Updated NWSMP and Operation Phakisa Implementation	Collation of inputs from operationalisation of the NWSMP to update the NWSMP	Annual update of the Water and Sanitation Master Plan (NW&SMP)	Annual status on the implementation of the NW&SMP produced	5 year update of the NW&SMP	Annual progress report on the implementation of the NW&SMP

Outcome	Outputs	Output Indicators		Annual Target						
				Audited / Actual performance			Estimated performance	MTEF Period		
				2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
		3.1.2	Number of reconciliation strategies completed for various systems (WSS)	-	1	2	2	0	3	1
								Annual status on the monitoring of reconciliation strategies produced for Mgeni	Mgeni	-
					Algoa WSS	Mbombela WSS	Integrated Vaal WSS	Mgeni	Mgeni	-
					-	Richards Bay WSS	Western Cape WSS	Amathole	Amathole	-
					-	-	-	Crocodile West	Crocodile West	-
					-	-	-	Orange	-	Orange River System
		3.1.3	Number of operating rules and specialist strategy studies completed annually for various water supply systems	-	Annual Operating Rules for 6 large water supply systems	7	Annual Operating Rules for 8 large water supply systems	Annual Operating Rules (AOR) for 9 large water supply systems	AOR for 10 large water supply systems	AOR for 11 large water supply systems
					Vaal WSS	Vaal WSS	Vaal WSS	Vaal WSS	Vaal WSS	Vaal WSS
					Western Cape WSS	-	Western Cape WSS	Western Cape WSS	Western Cape WSS	Western Cape WSS
					Mgeni WSS	Mgeni WSS	Mgeni WSS	Mgeni WSS	Mgeni WSS	Mgeni WSS
					Algoa WSS	Algoa WSS	Algoa WSS	Algoa WSS	Algoa WSS	Algoa WSS
					Amathole WSS	Amathole WSS	Amathole WSS	Amathole WSS	Amathole WSS	Amathole WSS
					Polokwane WSS	Polokwane WSS	Polokwane WSS	Polokwane WSS	Polokwane WSS	Polokwane WSS
					-	Crocodile West WSS	Crocodile West WSS	Crocodile West WSS	Crocodile West WSS	Crocodile West WSS
					-	Bloemfontein WSS	-	-	-	-
					-	Orange WSS	Orange WSS	Orange WSS	Orange WSS	Orange WSS
					-	-	-	Olifants WSSs	Olifants WSSs	Olifants WSSs
					-	-	-	-	Mhlathuze WSS	Mhlathuze WSS
					-	-	-	-	-	Luvuvhu WSS

Outcome	Outputs	Output Indicators		Annual Target						
				Audited / Actual performance			Estimated performance	MTEF Period		
				2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
		3.1.4	Number of updates climate change for Risk and Vulnerability Assessments completed annually for various water supply systems	-	2	2	2	0	Draft Climate change status quo report and strategy	Final reports for climate change status quo report and strategy
					Mzimvubu-Tsitsikama WMA (Fish-Tsitsikama & Mzimvubu-Keiskamma catchments)	Orange WMA	Pongola-Umzimkhulu WMA	Status quo climate change scenarios for the water sector assessed		
					Vaal System	Limpopo-Olifants and Inkomati Usuthu WMA	Berg-Olifants and Breede – Gouritz WMA			
		3.1.5	Number of completed Record of Implementation Decisions (RID) for bulk raw water planning projects	0	0	0	0	0	3	3
						(Annual status report on progress (Xhariep Pipeline)	(Annual monitoring and evaluation report for Xhariep Pipeline)	-	-	-
						-	(Annual monitoring and evaluation report for Clanwilliam Bulk Conveyance Infrastructure)	Annual Status on the Environmental Impact Assessment Study of Clanwilliam Bulk Conveyance Infrastructure produced	Clanwilliam Bulk Conveyance Infrastructure	Xhariep Pipeline
						-	(Annual monitoring and evaluation report for Lower Coerney Balancing Dam)	Annual Status on the Environmental Impact Assessment Study of Lower Coemey Balancing Dam produced	Lower Coemey Balancing Dam	-
						-	-	-	Lower Orange River Project (Vioolsdrift / Noordoewer Dam)	-
						-	-	-	-	Breede-Berg (Mitchells Pass) Water transfer scheme
						-	-	-	-	Verbeeldingskraal Dam

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
		3.2	7 water resources monitoring programmes and 6 information systems reviewed and maintained by 2025	3.2.1	Number of water resources monitoring programmes reviewed and maintained	-	3	4	4	5	6	7
							Ground Water	Ground Water	Groundwater (GW)	Groundwater (GW)	Groundwater (GW)	Groundwater (GW)
							Surface Water	Surface Water	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)
							NCMP	NCMP	National Chemical (NCMP)	National Chemical (NCMP)	National Chemical (NCMP)	National Chemical (NCMP)
							-	NEMP	National Eutrophication (NEMP)	National Eutrophication (NEMP)	National Eutrophication (NEMP)	National Eutrophication (NEMP)
							-	-	-	-	National Wetlands (NWMP)	National Wetlands (NWMP)
							-	-	-	-	-	River Ecostatus Monitoring Programme (REMP)
							-	-	-	National Microbial (NMMP)	National Microbial (NMMP)	National Microbial (NMMP)
							-	-	-	-	-	National Estuary (NESMP)
				3.2.2	Number of water and sanitation information systems maintained	-	6	6	6	6	6	6
							NIWIS	NIWIS	National Integrated Water Information System	National Integrated Water Information System	National Integrated Water Information System	National Integrated Water Information System
							HYDSTRA	HYDSTRA	Hydrological Information System	Hydrological Information System	Hydrological Information System	Hydrological Information System
							NGIS	NGIS	National Geohydrological Information System	National Geohydrological Information System	National Geohydrological Information System	National Geohydrological Information System
							WMS	WMS	Water Management System	Water Management System	Water Management System	Water Management System
							GIS	GIS	Geographical Information System	Geographical Information System	Geographical Information System	Geographical Information System

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
							FMFS	FMFS	Flood Monitoring and Forecasting System	Flood Monitoring and Forecasting System	Flood Monitoring and Forecasting System	Flood Monitoring and Forecasting System
				3.2.3	National Digitised Integrated Water and Sanitation Monitoring System Implemented	-	-	New Indicator	Design/ Solution architecture of the National Digitised Integrated Water and Sanitation Monitoring System completed	Annual status for design of the National Digitised Integrated Water and Sanitation Monitoring System completed	Annual Implementation Report for the National Digitised Integrated Water and Sanitation Monitoring System design	Annual Implementation Report for the National Digitised Integrated Water and Sanitation Monitoring System design
		3.3	Gauging stations refurbished to improve management decisions	3.3.1	Number of water resource gauging stations / weirs constructed	-	-	New Indicator	1	1	-	-
									Lindley	Bavaria		
				3.3.2	Number of water resource gauging stations / weirs refurbished	-	-	1	-	-	-	-
								Liverpool				
		3.4	Strategic water resources infrastructure projects implemented	3.4.1	Number of bulk raw water projects in preparation for implementation	0	0	0	5	4	4	3
							Mokolo Crocodile (West) Water	-	-	-	-	-
							ORWRDP 2D	-	ORWRDP 2D	-	-	-
							-	-	Nwamitwa Dam	Nwamitwa Dam	Nwamitwa Dam	Nwamitwa Dam
							-	-	Lusikisiki Regional Water Supply Scheme (Zalu Dam)	Lusikisiki Regional Water Supply Scheme (Zalu Dam)	Lusikisiki Regional Water Supply Scheme (Zalu Dam)	Lusikisiki Regional Water Supply Scheme (Zalu Dam)
							-	-	ORWRDP 2E	-	-	-
							-	-	Coerney Dam	Coerney Dam	Coerney Dam	-
							-	-	-	Foxwood Dam	Foxwood Dam	Foxwood Dam

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
				3.4.2	Number of bulk raw water projects under construction	0	1	0	4	4	3	4
							Tzaneen Dam	-	Tzaneen Dam	Tzaneen Dam	Tzaneen Dam	Tzaneen Dam
							-	-	Hazelmere Dam	Hazelmere Dam	-	-
							-	-	Mzimvubu Water Project (Stage 1: Advance Works)	Mzimvubu Water Project (Stage 1: Advance Works)	Mzimvubu Water Project (Stage 1: Advance Works)	Mzimvubu Water Project (Stage 1: Advance Works)
							-	-	Clanwilliam Dam	Clanwilliam Dam	Clanwilliam Dam	Clanwilliam Dam
							-	-	-	-	-	Coerney Dam
				3.4.3	Number of bulk raw water projects completed	0	0	0	0	1	0	1
										Hazelmere Dam	-	-
										-	-	Tzaneen Dam
		3.5	Maintenance Plans implemented as scheduled and unscheduled maintenance minimised	3.5.1	Percentage scheduled maintenance projects completed as a proportion of planned maintenance projects	46% (267 of 579 projects)	39% (428 of 1105 projects)	39% (474 of 1203 projects)	50%	50%	80%	80%
				3.5.2	Percentage unscheduled maintenance projects completed as a proportion of planned maintenance projects	27% (153 of 579 projects)	25% (281 of 1105 projects)	26% (307 of 1203 projects)	≤30%	≤30%	≤20%	≤20%
				3.5.3	Number of dam safety evaluations completed	-	30	25	20	25	30	40

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
				3.5.4	Number of dam safety rehabilitation projects completed	0	0	0	2	2	8	6
									Mthatha Dam	Nkadimeng Dam	Sishego Dam	Darlinton Dam
									Bloemhof Dam (Siphon Temporary Works)	Marico Bosveld Dam	Nondweni Dam	Gamka Poort Dam
									-	-	Bossiespruit Dam	Edingburg Dam
									-	-	Tsojane Dam	Der-Brochen Dam
									-	-	Mhlanga Dam	Roodefontein Dam
									-	-	Casteel Dam	Nzhelele Dam
									-	-	Kwaggaskloof Dam	-
									-	-	Damani Dam	-
				3.5.5	Number of kilometres of conveyance systems rehabilitated per annum	3,4km	7km	1, 9518km	4km	6km	6km	6km
		3.6	Adherence to Water Supply Agreements/ Authorisations and Operating Rules (Water Resource Operations)	3.6.1	Percentage adherence to Water Supply Agreements/ Authorisations and Operating Rules (Water Resource Operations)	92%	80%	102%	80%	80%	80%	80%

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
5	Enhanced regulation of the water and sanitation sector	5.1	Water resource regulatory prescripts developed and implemented	5.1.1	National Water Act Amendment Bill developed	The process to finalise the Water and Sanitation Bill was put on hold and hence the development of the regulations	Internal stakeholder consultation on the Draft Bill	Approval granted to deviate from the development of one Water and Sanitation Bill to the amendment of the two existing Acts for implementation in the next financial 2021/22 as outlined in the new APP	Draft 1 National Water Amendment Bill submitted to Cabinet for approval for public consultation	Submit National Water Amendment Bill to cabinet for approval	Table draft National Water Amendment Bill to Parliament	-
				5.1.2	National Water Resources Strategy Edition 3 (NWRS-3) developed	Draft version 2.2 of the NWSRSS	Version 2.3 of the National Water Resources Strategy Edition 3 (NWRS-3)	Draft NWRS-3 and supporting documents were submitted to Cabinet secretariat for tabling for approval to gazette for public consultation	Final draft NWRS-3 submitted for public consultation and cabinet approval	NWRS-3 submitted to Cabinet for approval	NWRS-3 monitored for Implementation	Social economic impact assessment (SEIAS) of the Implementation of the NWRS-3
				5.1.3	Raw water charges developed	2019/20 raw water charges and bulk tariffs approved	2020/21 raw water charges and bulk tariffs approved	-	2022/23 raw water charges developed	2023/24 raw water charges developed	2024/25 raw water charges developed	2025/26 raw water charges developed
				5.1.4	Percentage of applications for water use authorisation finalised within applicable period	81% (476 out of 588)	90% (736 of 822)	63% (417 of 661)	80%	80%	80%	80%

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
				5.1.5	Number of water users monitored for compliance	407	317	337	324	379	396	396
				5.1.6	Percentage of reported non-compliant cases investigated	94% (441 of 471)	84% (366 of 435)	101% (284 of 281)	80%	80%	80%	80%
				5.1.7	Water Research Commission (WRC) levy approved	-	-	New Indicator	2021/22 Water Research Commission (WRC) levy approved	2022/23 Water Research Commission (WRC) levy developed	2023/24 Water Research Commission (WRC) levy developed	2024/25 Water Research Commission levy developed
				5.1.8	Number of wastewater systems assessed for compliance with the Green Drop Regulatory requirements	0	0	0	963	0	963	0
				5.1.9	Number of wastewater systems monitored against the Regulatory Requirements	585	383	428	366	408	260	210
6	Water redistributed for transformation	6.1	Advance Water Allocation Reform by 2025	6.1.1	Regulation for advancement of water allocation reform finalized	Validation and verification of existing lawful use in 3 water management areas (WMAs)	V & V of existing lawful use in 2 WMAs	-	Draft Regulation for water allocation reform	Draft Regulation published for public comment	Validation and verification of existing lawful use in 2 water management areas (WMAs)	Validation and verification of existing lawful use in 1 water management area (WMA)
							Gouritz (BGCMA) 93 of 15 411 properties verified					
							Usutu (IUCMA) 759 of 1 437 properties verified					

Outcome		Outputs		Output Indicators		Annual Target						
						Audited / Actual performance			Estimated performance	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
		6.2	Streamlined water resource management institutional arrangements	6.2.1	Performance of water resource institutions evaluated against their performance plans	Annual appraisals of shareholder compacts (SHC) and business plans for	Annual appraisals of SHC and business plans for	Annual appraisals of shareholder compacts and business plans for	Annual performance plans and reports for	Annual assessment of performance plans, annual and quarterly reports for	Annual assessment of performance plans, annual and quarterly reports for	Annual assessment of performance plans, annual and quarterly reports for
						TCTA	TCTA	TCTA	TCTA	TCTA	TCTA	TCTA
						WRC	WRC	WRC	WRC	WRC	WRC	WRC
						2 CMAs	2 CMAs	2 CMAs	2 CMAs	2 CMAs	2 CMAs	2 CMAs
				6.2.2	Number of Catchment Management Agencies gazetted for establishment	0	0	2	2	1	0	0
							Proposal for the establishment of six CMAs and roadmap	Breede-Gouritz	Gazette new area operation for Phongola-Mzimkhulu	Mzimvubu-Tsitsikamma (CMA establishment gazette submitted to the accounting officer for approval)	-	-
								Vaal	Limpopo-North West	-	-	-
				6.2.3	National Water Resources Infrastructure Agency (NWRIA) gazetted for establishment	0	Final concept note for establishment of the Authority	Final business case finalised	Draft legislation for establishment of the Agency	NWRIA Bill finalised	Listing through National Treasury regulation and Board appointment	0
				6.2.4	Number of irrigation boards transformed into Water User Associations	-	-	New Indicator	Transformation status report of the 5 Irrigation Boards (IB) into Water User Associations (WUAs) submitted	Transformation status of the 5 IBs into WUAs submitted to the accounting officer	Transformation status of the 5 IBs into WUAs submitted to the accounting officer	Transformation status of the 5 IBs into WUAs submitted to the accounting officer
				6.2.5	Water economic regulator gazetted for establishment	Draft legislation for the establishment of the independent economic regulator	Consultation plan for the draft business case of the independent economic regulator developed	-	Develop second draft business case for independent economic regulator	Business case for establishment of Water Regulator Version III developed	Draft Bill submitted to Cabinet for approval	Draft Bill submitted to the DG clusters and Cabinet for approval and Publication of the Bill in the gazette

1.2.3 Indicators, annual and quarterly targets

Integrated Water Resource Planning sub-programme

Output Indicators		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.1.1	National Water and Sanitation master plan (NW&SMP) updated	Annual status on the implementation of the National Water and Sanitation Master Plan (NW&SMP) produced	Status on the Implementation of the Water and Sanitation Master Plan (NW&SMP) produced	Status on the Implementation of the Water and Sanitation Master Plan (NW&SMP) produced	Status on the Implementation of the Water and Sanitation Master Plan (NW&SMP) produced	Annual status on the implementation of the National Water and Sanitation Master Plan (NW&SMP) produced
3.1.2	Number of reconciliation strategies completed for various systems (WSS)	0				
		Annual status on the monitoring of reconciliation strategies for Mgeni, Amathole, Orange and Crocidile West produced	Status on the monitoring of reconciliation strategies for Mgeni, Amathole, Orange and Crocodile West produced	Status on the monitoring of reconciliation strategies for Mgeni, Amathole, Orange and Crocodile West produced	Status on the monitoring of reconciliation strategies for Mgeni, Amathole, Orange and Crocodile West produced	Annual status on the monitoring of reconciliation strategies for Mgeni, Amathole, Orange and Crocidile West produced
3.1.3	Number of operating rules and specialist strategy studies completed annually for various water supply systems	Annual Operating Rules (AOR) for 9 large water supply systems produced • Vaal • Western Cape • Mgeni • Algoa • Amathole • Crocodile West • Polokwane • Orange and • Olifants WSSs	4 • Vaal AOR • Orange AOR • Umgeni AOR • Olifants AOR	4 • Algoa AOR • Amathole AOR • Polokwane AOR • Crocodile West AOR	1 • Western Cape WSS AOR	Annual Operating Rules (AOR) for 9 large water supply systems produced • Vaal • Western Cape • Mgeni • Algoa • Amathole • Crocodile West • Polokwane • Orange and • Olifants WSSs
3.1.4	Number of updates climate change for Risk and Vulnerability Assessments completed annually for various water supply systems	0				
		Status quo climate change scenarios for the water sector assessed	Inception and literature reports completed	Hydro-climatic zones of South Africa reviewed	Global climate change scenarios downscaled for South Africa's water sector	Status quo climate change scenarios for the water sector assessed

Output Indicators		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.1.5	Number of completed Record of Implementation Decisions (RID) for bulk raw water planning projects	0				
		Annual Status on the Environmental Impact Assessment Study of Clanwilliam Bulk Conveyance Infrastructure produced	Status on Environmental Impact assessment study for Clanwilliam Bulk Conveyance Infrastructure produced	Status on the Environmental Impact Assessment Study for Clanwilliam Bulk Conveyance Infrastructure produced	Status on the Environmental Impact Assessment Study for Clanwilliam Bulk Conveyance Infrastructure produced	Annual Status on the Environmental Impact Assessment Study of Clanwilliam Bulk Conveyance Infrastructure produced
		Annual status on the Environmental Impact Assessment Study of Lower Coemey Balancing Dam produced	Status on the Environmental Impact assessment Study of Lower Coerney Balancing Dam produced	Status on the Environmental Impact assessment Study of Lower Coerney Balancing Dam produced	Status on the Environmental Impact assessment Study of Lower Coerney Balancing Dam produced	Annual status on the Environmental Impact Assessment Study of Lower Coemey Balancing Dam produced

Water Ecosystems Management sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
2.1.1	Number of river systems with water resources classes and determined resource quality objectives	1	0	0	0	1
		Final legal notice for Thukela	Submit legal notice to legal service for final vetting	Submit legal notice for translation into a local language	Route submission for approval to gazette legal notice	Final legal notice for Thukela

Water Resources Information and Management sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
2.1.3	Number of rivers in which the River Eco-status Monitoring Programme is implemented	70	70	70	70	70
3.2.1	Number of water resources monitoring programmes reviewed and maintained	5	5	5	5	5
		Groundwater (GW)	Groundwater (GW)	Groundwater (GW)	Groundwater (GW)	Groundwater (GW)
		Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)	Surface Water (SW)
		National Chemical (NCMP)	National Chemical (NCMP)	National Chemical (NCMP)	National Chemical (NCMP)	National Chemical (NCMP)
		National Eutrophication (NEMP)	National Eutrophication (NEMP)	National Eutrophication (NEMP)	National Eutrophication (NEMP)	National Eutrophication (NEMP)
		National Microbial (NMMP)	National Microbial (NMMP)	National Microbial (NMMP)	National Microbial (NMMP)	National Microbial (NMMP)
3.2.2	Number of water and sanitation information systems maintained	6	6	6	6	6
		National Integrated Water Information System	National Integrated Water Information System	National Integrated Water Information System	National Integrated Water Information System	National Integrated Water Information System
		Hydrological Information System	Hydrological Information System	Hydrological Information System	Hydrological Information System	Hydrological Information System
		National Geohydrological Information System	National Geohydrological Information System	National Geohydrological Information System	National Geohydrological Information System	National Geohydrological Information System
		Water Management System	Water Management System	Water Management System	Water Management System	Water Management System
		Geographical Information System	Geographical Information System	Geographical Information System	Geographical Information System	Geographical Information System
		Flood Monitoring and Forecasting System	Flood Monitoring and Forecasting System	Flood Monitoring and Forecasting System	Flood Monitoring and Forecasting System	Flood Monitoring and Forecasting System
3.2.3	National Digitised Integrated Water and Sanitation Monitoring System Implemented	Annual status for design of the National Digitised Integrated Water and Sanitation Monitoring System completed	Status on the development of the National Digitised Integrated Water and Sanitation Monitoring System design	Status on the development of the National Digitised Integrated Water and Sanitation Monitoring System design	Status on the development of the National Digitised Integrated Water and Sanitation Monitoring System design	Annual status for design of the National Digitised Integrated Water and Sanitation Monitoring System completed
3.3.1	Number of water resource gauging stations / weirs constructed	1				
			(7.7/10)	(8.6/10)	(9.4/10)	1
		Bavaria Gauging station	Excavation, earth filling shuttering and concrete	Earth filling	Site rehabilitation and earth filling	Bavaria Gauging station

Water Resources Policy & Strategy sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
5.1.1	National Water Act Amendment Bill developed	Submit National Water Amendment Bill to cabinet for approval	Submit the Water Services Amendment Bill to clusters for approval to publish for public comments	Submit the National Water Amendment Bill to cabinet for approval to publish, public comments	Incorporation of comments received on the National Water Amendment Bill	Submit National Water Amendment Bill to cabinet for approval
5.1.2	National Water Resources Strategy Edition 3 (NWRS-3) developed	NWRS-3 submitted to cabinet for approval	Conduct 60 days public consultations on the NWRS-3 version 1	NWRS-3 version 2 updated	Final draft of the NWRS-3 submitted to top management and cluster for endorsement.	NWRS-3 submitted to cabinet for approval
			Develop comments register	SEIAS report approved	-	-

Water Resources Institutional Oversight sub-programme

Output Indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
6.2.1	Performance of water resource institutions evaluated against their performance plans	Annual assessment of performance plans, annual and quarterly reports for for 2 CMAs, TCTA and WRC	2022/23 Annual performance plans for TCTA, WRC and 2 CMAs assessed	2021/22 Annual reports for 2 CMAs, TCTA and WRC assessed	-	-
			Quarterly reports for 2 CMAs, TCTA and WRC	Quarterly reports for 2 CMAs, TCTA and WRC	Quarterly reports for 2 CMAs, TCTA and WRC	Quarterly reports for 2 CMAs, TCTA and WRC
			-	-	-	2023/24 draft annual performance plans for TCTA, WRC and 2 CMAs assessed
6.2.2	Number of Catchment Management Agencies gazetted for establishment	1				
		Mzimvubu-Tsitsikamma Gazette for CMA establishment submitted to the accounting officer for approval)	Stakeholders for Mzimvubu-Tsitsikamma CMA consulted	Stakeholders for Mzimvubu-Tsitsikamma CMA consulted	Draft business case for Mzimvubu-Tsitsikamma CMA	Mzimvubu-Tsitsikamma (Gazette for CMA establishment submitted to the accounting officer for approval)
6.2.3	National Water Resources Infrastructure Agency gazetted for establishment	NWRIA Bill finalised	Cabinet memo prepared to cabinet	The NWRIA Bill reviewed	Stakeholder consultation completed	NWRIA Bill finalised
6.2.4	Number of irrigation boards transformed into Water User Associations	Transformation status of the 5 Irrigation Boards into Water User Associations submitted to the accounting officer	Stakeholder consultation for the development of status report to transform Irrigation Board into Water User Association	Stakeholder consultation for the development of status report to transform Irrigation Board into Water User Association	Stakeholder consultation for the development of status report to transform Irrigation Board into Water User Association	Transformation status of the 5 Irrigation Boards into Water User Associations submitted to the accounting officer
		Tierport	Tierport	-	-	Tierport
		Klersdorp	-	-	Klersdorp	Klersdorp
		Pholela	-	-	Pholela	Pholela
		Letsitela	-	-	Letsitela	Letsitela
		Apies		Apies	-	Apies

Water Resources Infrastructure Management sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.4.1	Number of bulk raw water projects in preparation for implementation	4				
		Nwamitwa Dam	-	Finalise dam boundary line	Land schedules complete	Land acquisition investigations commencement
		Lusikisiki Regional Water Supply Scheme: Zalu Dam	-	Geotechnical investigations complete	Design 30% complete	Design 35% complete
		Coerney Dam	-	Design commencement	Design 5% complete	Design 8% complete
		Foxwood Dam	-	Design optimisation commencement	-	Design optimisation complete
3.4.2	Number of bulk raw water projects under construction	4				
		Tzaneen Dam	-	-	Construction commencement	Construction 4% complete
		Hazelmere Dam	Dam raising completion construction 20% complete	Dam raising completion construction 50% complete	Dam raising completion construction 70% complete	Dam raising construction 100% complete
		Clanwilliam Dam	-	Construction 13% complete	Construction 14% complete	Construction 15% complete
		Mzimvubu Water Project (Stage 1: Advance Works)	Construction of access roads 25% complete	Construction of access roads 30% complete	Construction of access roads 35% complete	Construction of access roads 40% complete
3.4.3	Number of bulk raw water projects completed	1	-	-	-	1
		Hazelmere Dam				Hazelmere Dam
3.4.3.1	Number of job opportunities created through implementing augmentation infrastructure projects	50	5	10	15	20
3.5.1	Percentage scheduled maintenance projects completed as a proportion of planned maintenance projects	50%	4%	10%	11%	25%

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.5.2	Percentage unscheduled maintenance projects completed as a proportion of planned maintenance projects	≤30%	≤30%	≤30%	≤30%	≤30%
3.5.3	Number of dam safety evaluations completed	25	2	2	2	19
3.5.4	Number of dam safety rehabilitation projects completed	2				
		Nkadimeng Dam	50%	60%	80%	100%
		Marico Bosveld Dam	25%	45%	75%	100%
3.5.5	Number of kilometres of conveyance systems rehabilitated per annum	6km	1km	2km	2km	1km
3.6.1	Percentage adherence to Water Supply Agreements/ Authorisations and Operating Rules (Water Resource Operations)	80%	80%	80%	80%	80%
3.6.1.1	Number of job opportunities created through implementing operations of water resources infrastructure projects	115	25	50	25	15

Water Resources Regulation sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
2.1.2	Number of river systems monitored for the implementation of resource directed measures	4 river systems monitored	Update the RQOs monitoring framework	Assess monitoring data for	Assess monitoring data for	Final compliance monitoring report for
		Vaal (Upper, Middle & Lower)	-	Vaal (Upper, Middle & Lower)	-	Vaal (Upper, Middle & Lower)
		Letaba	-		Letaba -	Letaba
		Inkomati Usutu	-		Inkomati Usutu -	Inkomati Usutu
		Olifants Doorn	-		Olifants Doorn	Olifants Doorn
2.2.1	Number of catchment mitigation strategies and plans developed for mine water and wastewater treatment works	2 mitigation strategies for	-	-	-	2 mitigation strategies developed for
		Upper Olifants	Assessment of Upper Olifants	Assessment of Upper Olifants	Draft Mitigation Strategy developed for Upper Olifants	Upper Olifants
		Limpopo	-	-	Draft Mitigation Strategy developed for Limpopo	Limpopo
2.2.2	Number of catchment plans implemented for mine water and wastewater management	2	Catchment vision plan developed	Catchment vision plan developed	Draft implementation plans of	2
		Orange	-	Orange	Orange	Orange
		Mzimvubu-Tsitsikamma	Mzimvubu-Tsitsikamma	-	Mzimvubu-Tsitsikamma	Mzimvubu-Tsitsikamma
2.2.3	Waste Discharge Charge System (WDCS) piloted country wide	Final Draft WDCS Strategy	Update the existing WDCS Strategy	Consultation of internal and external stakeholders	Consolidation of comments received from stakeholders	Final Draft WDCS Strategy
5.1.3	Raw water charges developed	2023/24 raw water charges developed	Consultation on 2023/24 raw water charges	2023/24 raw water charges submitted to top management for approval	2023/24 raw water charges developed	-
5.1.7	Water Research Commission (WRC) levy approved	2022/23 Water Research Commission (WRC) levy developed	2022/23 Water Research levy developed	Consultation on 2023/24 WRC levy	-	2023/24 WRC levy concurrence requested from NT
			-	2023/24 WRC levy submitted to top management	-	-

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
6.2.5	Water economic regulator gazetted for establishment	Business case for establishment of Water Regulator Version III developed	Approval for stakeholder consultation on second draft business case	Stakeholder consultations on draft business case for establishment of the Water Regulator Version III	Stakeholder consultations on draft business case for establishment of the Water Regulator Version III	Business case for establishment of the Water Regulator Version III developed
5.1.4	Percentage of applications for water use authorisation finalised within applicable period	80%	80%	80%	80%	80%
6.1.1	Regulation for advancement of water allocation reform finalised	Draft Regulation published for public comments	Version 1 of Draft 2 Regulation consolidated for comments	Version 2 of Draft 2 Regulation updated	Draft Regulation published for public comments	Draft Regulations published for public comments
5.1.5	Number of water users monitored for compliance	379	102	112	92	73
5.1.6	Percentage of reported non-compliant cases investigated	80%	80%	80%	80%	80%
5.1.9	Number of wastewater systems monitored against the Regulatory Requirements	408	117	104	92	95

1.2.4 Reconciling performance targets with the budget over the medium term

Programme	Audited outcome			Adjusted appropriation	Medium term expenditure estimates		
Rand thousand	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Water Resources Management Support	6 070	7 069	7 414	6 931	6 956	6 679	6 978
Integrated Water Resources Planning	68 806	84 158	85 698	97 786	102 985	101 612	106 191
Water Ecosystems Management	47 946	40 023	39 710	51 328	59 383	56 107	59 325
Water Resources Information and Management	434 459	519 379	545 700	562 262	570 438	539 491	563 734
Water Resources Infrastructure Management	2 475 167	2 586 936	2 680 220	2 613 439	2 857 057	3 476 826	3 984 523
Water Resources Policy and Strategy	12 341	18 173	17 511	9 609	17 142	16 545	17 204
Water Resources Regulation	-	-	-	202 057	92 919	86 947	90 852
Water Resources Institutional Oversight	63 473	99 673	77 888	73 189	76 044	70 823	74 080
Total	**3 108 262**	**3 355 411**	**3 454 141**	**3 616 601**	**3 782 924**	**4 355 030**	**4 902 887**

1.2.5 Programme abridged risk management plan

Link to output		Risk category	Risk	Mitigation measures
2.1	Water resource classes and Resource Quality Objectives determined and monitored	Service delivery	Unprotected water resources due to deterioration in water resource quality and reduction in availability of suitable water for use	Progressively determine water resource classes and resource quality objectives in one River System (uThukela catchment)
2.2	Wastewater management plans developed and implemented	Infrastructure risks	Inadequate technical skills, institutional capacity and funding to implement wastewater management plans aimed at maintaining, managing waste water infrastructure and assets properly	Conduct the wastewater management (green drop) audits and progress assessments in alternate years.
3.1	Integrated water resource plans / measures developed	Service delivery	Inadequate planning and project implementation resulting in unreliable water delivery	• Develop and update strategies to reconcile water availability with growing demands for key large systems and small towns & clusters of villages • Undertake feasibility studies for water resource development projects and recommend them for timely implementation. • Develop and update operating rules for key large systems and stand-alone dams/schemes to manage reliability of water resource availability including the impact of natural events such as droughts and floods
3.2	7 water resources monitoring programmes and 6 information systems reviewed and maintained by 2025	Data and information	Gaps in quantity and quality monitoring data and information	• Implementation of the Monitoring Network Strategy through upgrade all supporting elements for water use and resource monitoring to its required levels. • 4 monitoring programmes reviewed and maintained
3.4	Strategic water resources infrastructure projects implemented	Service delivery	Projects not completed on time and within the project cost	• Reprioritise projects to address the insufficient budget in line with the approved budget allocations • Procure project management support services • Engage with Land Matters to ensure understanding of the project timeframes • Engage with SCM to ensure understanding of infrastructure procurement requirements
3.5	Maintenance Plans implemented as scheduled and unscheduled maintenance minimised	Service delivery	Inadequate implementation of maintenance plans resulting in continuous deterioration in the water infrastructure portfolio	Avail adequate budget and term contractor to implement the maintenance plans
3.6	Adherence to Water Supply Agreements/ Authorisations and Operating Rules (Water Resource Operations)	Service delivery	Failure to adhere to the Water Supply Agreements/ Authorisations and Operating Rules	Supply according to the Water Supply Agreements/ Authorisations and Operating Rules to avoid litigations by the water users and also depleting water infrastructure by over abstracting

Link to output		Risk category	Risk	Mitigation measures
5.1	Water resource regulatory prescripts developed and implemented	Service delivery	Delays in approval of regulatory prescripts resulting in weak regulation of the water and sanitation sector.	• Finalise the draft Regulation 813 and monitor compliance • Conduct an internal workshop on raw water tariff approval process to ensure the approval by 30 September 2023 to allow commencement
6.1	Advance Water Allocation Reform by 2025	Service delivery	Delays in finalising water use authorisation applications within specified timeframes	The department has developed a comprehensive improvement plan for water use licencing, which is currently under implementation. The plan includes reengineering of the water-use licensing processes, hiring and training of staff, and further roll-out and improvement of the electronic e-WULAAS system for managing water-use license applications.
6.2	Streamlined water resource management institutional arrangements	Governance	Failure of the entities to meet their strategic objectives eading to poor service delivery	Review of the departmental governance oversight model/ governance framework

1.3 Programme 3: Water Services Management

Addresses the water and sanitation services provision across water and sanitation value chain in support to water service authorities. The integration of bulk and retail water services to improve the coherence of the sector and to realise economies of scale and efficient use of water. It also provides for the development of effective policies, strategies, guidelines and procedures and plans as well as oversight and regulation of all water service management institutions.

1.3.1 Sub-programmes

Water Resource Management Support provides strategic leadership, management and support services to the programme as well as making provisions for associated salaries.

Water Services and Local Management entails the development of strategies, guidelines, plans, information management for water and sanitation services and management across water and sanitation value chain. It supports and capacitate water and sanitation services institutions in providing planning and management frameworks, promotes water use efficiency, monitoring and evaluation of sector performance for the provision of sustainable water and sanitation services.

Regional Bulk Infrastructure Grant provides for the development of new infrastructure, and the refurbishment, upgrading and replacing of ageing infrastructure servicing extensive areas across municipal boundaries.

Water Services Policy and Strategy develops and reviews water services policies, procedure, and norms and standards; and monitors their implementation.

Water Services Infrastructure Grant provides for the construction of new infrastructure and the rehabilitation of existing water and sanitation infrastructure through the grant transfer of water services schemes to water service institutions.

Water Services Regulation develops, implements, monitors and reviews water resource regulations particularly the water service authorities' compliance with water supply regulations.

Water Services Institutional Oversight is responsible for institutional governance and oversight of all water services institutions and to facilitate their establishment and development. This entails establishing fully functional entities; providing institutional support, advisory services to water boards.

1.3.2 Outcomes, outputs, performance indicators and targets

Outcome		Output		Output Indicators		Annual Targets						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
3	Water demand reduced and water supply increased	3.7	Water conservation and water demand management strategies developed for water sectors	3.7.1	Number of water conservation and water demand management (WCWDM) strategies updated	-	-	New indicator	4 Frameworks for water conservation and water demand management strategies	4 Updated draft water conservation and water demand management strategies	4 Updated water conservation and water demand management strategies	-
		3.8	8 large water supply systems assessed for water losses by 2025	3.8.1	Number of large water supply systems assessed for water losses	Water balance data and information collected from municipalities within the 8 large water supply systems (WSS)	8	Water balance data and information collected from municipalities within the 8 large water supply systems	8	Water balance data and information collected from municipalities within the 8 large WSS	8	Water balance data and information collected from municipalities within the 8 large water supply systems
				3.8.2	Number of WSAs assessed for compliance with the requirements of the No Drop Regulatory Programme	-	-	-	New indicator	144 WSAs assessed	No Drop Progress report	144 WSAs assessed
		3.9	Regional bulk infrastructure project implemented	3.9.1	Number of feasibility studies for water and wastewater services projects (RBIG) completed	0	4	0	5	8	6	4

Outcome		Output		Output Indicators		Annual Targets						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
							Kagisano Molopo Bulk Water Supply (Ganyesa) Bulk Tlhapeng	-	Masilonyana (Winburg) WWTW and pump-stations	Kinira Dam	Ngqamakwe Bulk Water Supply Phase 5	Keimoes BWS
							Postmasburg WWTW	-	Petrusburg Bulk Water Supply FS	Matatiele Ntabankulu BWS	Butterworth Emergency Water Supply Transfer Scheme	Bitou Bulk Water Augmentation
							Postmasburg Bulk Water Supply	-	Steynsrus bulk water supply upgrade	Nandoni BWS	Keimoes WWTW	Knysna Bulk Water Augmentation
							Beaufort West Ground Water	-	Northern Nsikazi Bulk Water Supply Phase 2	Northern Nsikazi Bulk Water Supply Phase 2	Greater Letaba Water Augmentation Distribution	Coffee Bay Regional Water Supply Scheme Phase 4&5
							-	-	Emalahleni Water Supply Phase 3	Emalahleni Bulk Water Supply Phase 3	Mount Ayliff East Regional Bulk Water Supply	-
							-	-	-	Port Nolloth Bulkwater Supply	Msukaligwa regional water supply scheme (Phase 3)	-
							-	-	-	Kakamas WWTW	-	-
							-	-	-	Kagisano Molopo Bona-Bona BWS	-	-

Outcome		Output		Output Indicators		Annual Targets						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
				3.9.2	Number of implementation readiness studies (IRS) for water and wastewater services projects (RBIG) completed	0	4	0	1	5	8	6
						-	Matjhabeng LM Thabong WWTW	-	Inception reports for IRS	Calvinia BWS	Masilonyana WWTW	Ngqamakwe Bulk Water Supply Phase 5
						-	Kagisano Molopo Bulk Water Supply (Bulk Tlhapeng)	-	-	Postmasburg Bulk Water Supply -	Orange River - Kalkfontein Scheme	Butterworth Emergency Water Supply Transfer Scheme
						-	Beaufort West Ground Water	-	-	Postmansburg Bulk Sewer-	Reitz Bulk Sewer (Nketoana)	Keimoes WWTW
						-	Sterkspruit	-	-	Mametsa Sekororo Bulk Water Supply -	Kakamas WWTW	Greater Letaba Water Augmentation Distribution:
						-	-	-	-	Polokwane – Water Resource Development	Port Nolloth Bulkwater Supply	Mount Ayliff East Regional Bulk Water Supply
						-	-	-	-	-	Emalahleni Bulk Water Supply Phase 3	Msukaligwa regional water supply scheme (Phase 3)
						-	-	-	-	-	Northern Nsikazi Bulk Water Supply Phase 2	-
						-	-	-	-	-	Kagisano Molopo BWS Cluster 2 Ganyesa	-

Outcome		Output		Output Indicators		Annual Targets						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
		3.10		3.9.3	Number of regional bulk infrastructure project phases under construction[12]	81	91	111	114	93	74	78
				3.9.4	Number of regional bulk infrastructure project phases completed[13]	24	16	11	18	22	15	17
			Water services Infrastructure Grant Projects implemented	3.10.1	Number of small WSIG projects under construction	181	263	382	173	294	260	276
				3.10.2	Number of small WSIG projects completed	0	117	112	46	115	150	161
				3.10.3	Number of intervention projects under implementation	-	-	1	1	2	1	1
				3.10.4	Number of existing bucket sanitation backlog systems in formal settlements replaced	2 019	692	592	-	10 798	-	-

[12] Consolidated mega, large and small regional bulk infrastructure projects under construction

[13] Consolidated mega, large and small regional bulk infrastructure projects completed

Outcome		Output		Output Indicators		Annual Targets						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
4	Water and sanitation services managed effectively	4.1	District municipalities five-year reliability plans developed	4.1.1	Number of district municipalities (DMs) with developed 5-year water and sanitation reliability plans	3 priority DMs complete– Phase 2	Development of structure documentation	0	5	10	10	12
								(8 out of 10 tender bids were advertised due to malfunction ing of government printers tender bulletin systems)	iLembe DM	Joe Gqabi DM	Amatole DM	Sarah Baartman DM
									Capricorn DM	Alfred Nzo DM	OR Tambo DM	Chris Hani DM
									Mopani DM	King Cetshwayo DM	Ugu DM	Fezile Dabi DM
									Ngaka Modiri Molema DM	UThukela DM	Herry Gwala DM	Thabo Mofutsanyana DM
									Dr Ruth Segomotsi Mompati DM	Zululand DM	Mkhanyakude DM	Xhariep DM
										iLembe DM	Vhembe DM	Amajuba DM
										Mopani DM	Waterberg DM	uMzinyathi DM
										Capricorn DM	Bojanala Platinum DM	Mgungundlovu DM
										Ngaka Modiri Molema DM	Dr Kenneth Kaunda DM	Cetral Karoo DM
										Dr Ruth Segomotsi Mompati DM	Lejweleputswa DM	West-Rand DM
												eNhlanzeni DM
												Nkangala DM
		4.2	WSAs assessed for water services performance	4.2.1	Annual MuSSA reports on water services authorities performance in providing water and sanitation services	58 MuSSA completed with the WSAs, Metros and Secondary Cities	108 MuSSA completed with the WSAs, Metros and Secondary Cities	1 National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities	National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities	National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities	National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities	National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities
				4.2.2	Annual Municipal Priority Action Plan (MPAP) developed	-	-	New indicator	National Municipal Priority Action Plan (MPAP) developed	National Municipal Priority Action Plan (MPAP) developed	National Municipal Priority Action Plan (MPAP) developed	National Municipal Priority Action Plan (MPAP) developed

Outcome		Output		Output Indicators		Annual Targets						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
5	Enhanced regulation of the water and sanitation sector	5.2	Water services regulatory prescripts developed	5.2.1	Water Services Amendment Bill developed	-	Internal stakeholder consultation on the draft bill	Approval granted to deviate from the development of one Water and Sanitation Bill to the amendment of the two existing Acts for implementation in the next financial 2021/22 as outlined in the new APP.	Submiet Water Services Amendment Bill to cabinet for approval	Submit Water Services Amendment Bill to cabinet for approval	Table draft Water Services Amendment Bill to Parliament	-
				5.2.2	National Sanitation Integrated Plan	-	Conceptual framework for National Sanitation Integrated Plan	National Sanitation Situational Analysis Report finalised	Draft National Sanitation Integrated Plan	9 Provincial Action Plans for National Sanitation Integrated Plan	National Sanitation Integrated Plan	Implementation Report on National Sanitation Integrated Plan developed
				5.2.3	National Faecal Sludge Management Strategy for on-site sanitation developed	-	-	Conceptual Framework for National Faecal Sludge Management Strategy for on-site sanitation developed	Draft National Faecal Sludge Management Strategy for on-site sanitation developed	Final National Faecal Sludge Management Strategy for on-site sanitation developed	National Faecal Sludge Management Strategy disseminated	National Faecal Sludge Management Strategy implementation report developed
				5.2.4	Bulk water tariffs developed	2018/19 bulk tariffs approved	2019/20 bulk tariffs approved	-	2022/23 bulk tariffs developed	2023/24 bulk tariffs developed	2024/25 bulk tariffs developed	2025/26 bulk water tariffs developed
		5.3	Water supply systems monitored for compliance	5.3.1	Number of water supply systems assessed for compliance with the Blue Drop Regulatory requirements	0	0	0	0	1035	0	1035

Outcome		Output		Output Indicators		Annual Targets						
						Audited / Actual performance			Estimated performance 2021/22	MTEF Period		
						2018/19	2019/20	2020/21		2022/23	2023/24	2024/25
				5.3.2	Number of identified non-compliant water supply systems monitored against the Regulatory requirements	0	389	366	326	370	371	350
6	Water redistributed for transformation	6.3	Streamlined water services management institutional arrangements	6.3.1	Performance of water boards evaluated against their performance plans	Annual appraisals of shareholder compacts and business plans for 9 water boards	Annual appraisals of shareholder compacts and business plans for 9 water boards	Annual appraisals of shareholder compacts and business plans for 9 water boards	Shareholder compacts, business plans and quarterly reports for 9 WBs	Annual Assessment of Shareholder compacts, business plans, quarterly and annual reports for 9 WBs	Annual Assessment of Shareholder compacts, business plans, quarterly and annual reports for 9 WBs	Annual Assessment of Shareholder compacts, business plans, quarterly and annual reports for 9 WBs
				6.3.2	Number of regional water utilities gazetted for establishment	0	Draft roadmap for the establishment of proto-regional water utility developed	0	0	0	0	0
									Draft due diligence reports for 2 regional water utilities (Magalies and Amatola)	Reconfiguration of Sedibeng Water	Reconfiguration of Water Boards Amatole	Reconfiguration of Water Boards Overberg and Lepelle

1.3.3 Indicators, annual and quarterly targets

Water Services and Local Management sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.7.1	Number of water conservation and water demand management strategies updated	4 Updated draft water conservation and water demand management strategies	Inception report drafted	Strategic framework for water conservation and water demand management strategies developed	Quarterly progress report	4 Updated draft water conservation and water demand management strategies
3.8.1	Number of large water supply systems assessed for water losses	Water balance data and information collected from municipalities within the 8 large water supply systems • Integrated Vaal River System, • Umgeni River, • Croc-West River, • Western Cape, • Olifants River, • Algoa, • Amatole and • Greater Bloemfontein WSSs	Adhoc Training on the IWA reporting requirements within the 8 large water supply system	Collection of IWA water balances from municipalities within 4 WSSs	Collection of IWA water balances from municipalities within 4 WSSs	Water balance data and information collected from municipalities within the 8 large water supply systems • Integrated Vaal River System, • Umgeni River, • Croc-West River, • Western Cape, • Olifants River, • Algoa, • Amatole and • Greater Bloemfontein WSSs
				Integrated Vaal River System	Olifants River	
				Umgeni River	Algoa	
				Croc-West River	Amatole	
				Western Cape WSS	Greater Bloemfontein WSS	
3.8.2	Number of WSAs assessed for compliance with the requirements of the No Drop Regulatory Programme	144 WSAs assessed	Draft No Drop Requirements	Workshop WSAs on the No Drop Regulatory Requirements	-	144 WSAs assessed
			-	-	-	144 draft No Drop Scorecards

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.9.1	Number of feasibility studies for water and wastewater services projects (RBIG) completed	8	8			
			4 draft assessment reports for	4 draft assessment reports for	Compile submissions for 4 feasibility studies undertaken in quarter 1	Compile submissions for 4 feasibility studies undertaken in quarter 2
			Northern Nsikazi Bulk Water Supply Phase 2	Nandoni BWS	Northern Nsikazi Bulk Water Supply Phase 2	Nandoni BWS
			Port Nolloth Bulkwater Supply	Kakamas WWTW	Port Nolloth Bulkwater Supply	Kakamas WWTW
			Kagisano Molopo Bona Bona BWS	Emalahleni Bulk Water Supply Phase 3	Kagisano Molopo Bona Bona BWS	Emalahleni Bulk Water Supply Phase 3
			Matatiele Ntabankulu BWS	Kinira Dam	Matatiele Ntabankulu BWS	Kinira Dam
3.9.2	Number of implementation readiness studies for water and wastewater services projects (RBIG) completed	5	5 IRS			
			2 draft assessment reports for	3 Draft assessment reports for	Compile submissions for 2 IRSs undertaken in quarter 1	Compile submissions for 3 IRSs undertaken in quarter 2
			Mametja Sekororo Bulk Water Supply	Calvinia BWS	Mametja Sekororo Bulk Water Supply	Calvinia BWS
			Polokwane Water Resource Development (Split into G/W Development and Dap Naude)	Postmasburg Bulk Water Supply	Polokwane Water Resource Development (Split into G/W Development and Dap Naude)	Postmasburg Bulk Water Supply
			-	Postmansburg Bulk Sewer	-	Postmansburg Bulk Sewer
4.1.1	Number of district municipalities (DMs) with developed 5-year water and sanitation reliability plans	10	Finalise the implementation programme	Complete situational assessments for five-year water and sanitation service delivery reliability implementation plans for 10 DMs	Draft Five Year Reliability Plans for 10 DMs developed	10
4.2.1	Annual MuSSA reports on water services authorities performance in providing water and sanitation services	National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities	On-line registration of MUSSA by the municipalities	Completion of self-assessment of MUSSA by the municipalities	Completion of self-assessment of MUSSA by the municipalities	National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
4.2.2	Annual Municipal Priority Action Plan (MPAP) developed	National Municipal Priority Action Plan (MPAP) developed	Status report on gap identification for MPAP	Consult WSAs to prioritise gaps identified through MuSSA	Status report on the Draft MPAP for confirmation by WSAs	National Municipal Priority Action Plan (MPAP) developed
5.2.2	National Sanitation Integrated Plan	9 Provincial Action Plans for National Sanitation Integrated Plan	Updated 9 provincial situational analysis reports	Updated 9 draft provincial action plans	Stakeholder consultation on the updated draft provincial action plans	9 Provincial Action Plans for National Sanitation Integrated Plan
5.2.3	National Faecal Sludge Management Strategy for on-site sanitation developed	National Faecal Sludge Management Strategy for on-site sanitation developed	Draft National Faecal Sludge Management Strategy updated	Stakeholder on the Draft National Faecal sludge Management Strategy consulted	Final draft National Faecal Sludge Management Strategy developed	National Faecal Sludge Management Strategy for on-site sanitation developed

Regional Bulk Infrastructure Grant sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.9.3.1	Number of mega regional bulk infrastructure project phases under construction	8	7	7	8	8
3.9.4.1	Number of mega regional bulk infrastructure project phases completed	1	0	0	0	1
3.9.3.2	Number of large regional bulk infrastructure project phases under construction	68	61	61	59	65
3.9.4.2	Number of large regional bulk infrastructure project phases completed	13	0	2	0	11
3.9.3.3	Number of small regional bulk infrastructure project phases under construction	17	12	13	12	11
3.9.4.3	Number of small regional bulk infrastructure project phases completed	8	1	2	3	2
3.9.4.3.1	Number of job opportunities created through implementing RBIG infrastructure projects	450	100	120	100	130

Water Services Infrastructure Grant sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.10.1	Number of small WSIG projects under construction	294	207	190	209	211
3.10.2	Number of small WSIG projects completed	115	35	52	4	24
3.10.3	Number of intervention projects under implementation	2	2	2	2	2
		Vaal Intervention	Vaal Intervention	Vaal Intervention	Vaal Intervention	Vaal Intervention
		Giyani BWS Intervention	Giyani BWS Intervention	Giyani BWS Intervention	Giyani BWS Intervention	Giyani BWS Intervention
3.10.4	Number of existing bucket sanitation backlog systems in formal settlements replaced	10 798	0	420	1 850	8 528

Water Services Policy & Strategy sub-programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
5.2.1	Water Services Amendment Bill developed	Submit Water Services Amendment Bill to cabinet for approval	Submit the Water Services Amendment Bill to clusters for approval to publish for public comments	Submit the Water Services Amendment Bill to cabinet for approval to publish for public comments	Incorporation of comment (consultations) received on the Water Services Amendment Bill	Submit Water Services Amendment Bill to cabinet for approval

Water Services Institutional Oversight sub –programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
6.3.1	Performance of water boards evaluated against their performance plans	Annual assessment of shareholder compacts, business plans, quarterly and annual reports for 9 WBs	Assessment of the shareholder compacts	-	Assessment of annual reports for 9 WBs	-
			Assessment of the business plans for 9 WBs	-	-	-
			Assessment of quarterly reports for 9 WBs	Assessment of quarterly reports for 9 WBs	Assessment of quarterly reports for 9 WBs	Assessment of quarterly reports for 9 WBs
6.3.2	Number of regional water utilities gazetted for establishment	0				
		Reconfiguration of Sedibeng Water	Stakeholder consultation	Stakeholder consultation	Draft due diligence report produced	Reconfiguration of Sedibeng Water

Water Services Regulation sub –programme

Output indicator		Annual target 2022/23	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
5.2.4	Bulk water tariffs developed	2023/24 bulk tariffs developed	-	Provide feedback for 2022/23 bulk water tariffs	Stakeholder on 2023/24 bulk tariffs consulted	2023/24 bulk tariffs developed
			-	-	Preliminary tariff consultation for 2023/24 bulk water tariffs	-
5.3.1	Number of water supply systems assessed for compliance with the Blue Drop Regulatory requirements	1035	Criteria for assessment developed	Submission of municipal information	Assess 300 water supply systems	Assess 735 water supply systems
			Sector consultation on assessment criteria	Develop the scorecards	-	-
			-	Training of assessors	-	-
5.3.2	Number of identified non-compliant water supply systems monitored against the regulatory requirements	370	85	100	100	85

1.3.4 Reconciling performance targets with the budget over the medium term

Programme	Audited outcome	Adjusted appropriation			Medium term expenditure estimates		
Rand thousand	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
Water Services Management Support	28 177	39 588	39 164	40 638	36 095	36 994	38 585
Water Services and Local Management	1 066 604	380 925	399 839	455 993	402 174	435 022	454 505
Regional Bulk Infrastructure Grant	5 083 262	5 628 112	7 040 096	7 069 114	7 502 375	8 342 231	8 219 150
Water Services Regulation	190 989	296 963	241 389	30 339	120 342	100 341	103 224
Water Services Policy and Strategy	-	-	-	10 039	11 458	11 823	12 310
Water Services Infrastructure Grant	5 508 133	4 525 091	4 205 289	4 533 913	4 648 967	4 843 528	5 060 060
Water Services Institutional Oversight	-	-	-	18 404	22 825	23 539	24 595
Total	11 877 165	10 870 679	11 925 777	12 158 440	12 744 236	13 793 478	13 912 429

1.3.5 Programme abridged risk management plan

Link to output		Risk category	Risk	Mitigation measures
3.9	Regional bulk infrastructure project implemented	Service delivery	Inadequate integrated planning, monitoring, evaluation to ensure sustainable bulk water and sanitation services	• Development of the faecal sludge management strategy • Development of national sanitation integrated plan
3.10	Water services Infrastructure Grant projects implemented	Financial risk	Inadequate implementation of Water Services Infrastructure Grant projects caused by under-funding of water services by municipalities.-Despite substantial grant allocation, most municipalities are under-funding water services.	• Embark on reviewing the funding model for social infrastructure. • Ensure that the budget allocates are approved timeously • Ring-fence the operations revenue budget for the allocated and appropriate functions.
4.1	District municipalities five-year reliability plans developed	Service delivery	Inadequate coordinated planning with sector partners in project implementation resulting in unreliable water and sanitation services delivery	• Development of completed 5 year reliable water and sanitation service delivery implementation plans to ensure integrated planning • Ensure implementation of the 5year Reliability plans by ensuring that the pipeline of projects links to WSDP projects for implementation
5.2	Water services regulatory prescripts developed	Regulatory / compliance risk	Delays in the approval of regulatory prescripts caused by the lengthy approval processes resulting in weak regulation of the water and sanitation sector.	• Finalise the draft Regulation 5/ norms & standards and monitor compliance • Conduct an internal workshop on raw water tariff approval process to ensure the approval by 30 September 2023 to allow commencement of bulk water tariff approval process
6.3	Streamlined water services management institutional arrangements	Governance	Poor or ineffective institutional arrangements, particularly where these affect relationships between different organisations (district and local municipalities)	Ensure timeous submission of reports and quick turnaround time on finalising submissions

2 EXPLANATION OF PLANNED PERFORMANCE OVER THE FIVE-YEAR PLANNING PERIOD

2.1 Programme 1: Administration

Provide strategic leadership, management and support services to the Department. Develop and promote international relations on water resources with neighbouring countries.

The NDP prioritises the significant role of women, of the youth and of disabled persons and requires their mainstreaming in government's planning. To contribute to these are cross-cutting priorities the Department plans to implement targeted procurement that supports Small Medium and Micro Enterprises (SMMEs) owned and / or controlled by women, youth and people with disabilities.

2.2 Programme 2: Water Resources Management

The purpose of the programme is to ensure the protection, use, development, conservation, management and control of water resources in a sustainable manner for the benefit of all people and the environment. It provides for the development of a knowledge base for proper planning and informed decision making. It also provides for the development of effective policies and procedures as well as oversight of all water resource management institutions.

South Africa as a water scarce country is faced with the challenge of protecting water resources (i.e. quantity and quality) and the need to utilise water for social and economic development. Some of the country's water resources are overused (e.g. polluted, the available water is already allocated and / or the surrounding environment is in a poor state). Other water resources are hardly used and the dependent environment is still in a natural state. However, South Africa has very few water resources that are still in a natural state and hence the requirement for different levels of protection.

The NWA provides decision-making tools to achieve a balance between protecting and utilising water resources to ensure that water is available for current and future human use. The classification system and the determination of the resource quality objectives are two mechanisms that are used to balance protection and development. The classification system states the acceptable impacts on the water resource and the unacceptable impacts in order to protect the resource. The class also states the amount of water that can be used from the water resource. The classes therefore allow for a grouping of water resources of those that are in a very good state and those that are in a very poor state. The resource quality objectives are an indication of the required level of protection for each water resource. The objectives therefore state the desired water quantity and quality, condition of the instream and riparian (river bank) habitat, as well as the condition of the aquatic animal and plant life.

The National Water and Sanitation Master Plan (NWSMP) indicates that by 2040, treated acid mine drainage and desalinated seawater will make a significant contribution to South Africa's water mix, ground water usage will increase, and the over-reliance on surface water will reduce. Although some large surface water schemes are currently planned and developed, South Africa is approaching full utilisation of available surface water yields and is running out of suitable sites for developing large dams. The water re-use could guarantee availability of water supply (particularly for non-potable water uses); substantially lower water bill; supplement industry's profitability by harvesting valuable resources contained in wastewater; and practice more environmentally sound water usage operations. Although the NWSMP indicates a planned reduction in the reliance of surface water, there will be a development of strategic water resources infrastructure projects (e.g. Lesotho Highlands Water Project phase 2, uMkhomazi Water Project, Mokolo Crocodile (West) Water Augmentation project etc.).

The recent water-related disasters (e.g. drought) have shown that water security is significantly impacted owing to the delays in implementing certain infrastructure projects as well as water demand management. Although many scholars suggest the diversification of the water mix as a way to respond to water insecurity; this would not be sufficient to balance supply and demand if water demand management is not implemented. Climate change is projected to increase the variability of rainfall throughout the country, and to reduce average rainfall. However, the total water supply requirements in the country will increase due to population and associated economic growth.

There is a need to optimise the water mix which is currently strongly dominated by surface water, with some groundwater and return flows. The delayed reaction of groundwater to climate change impacts and other stresses such as land-use change is one of the motivating factors for its increased use. In the face of climate change, groundwater, which will not experience the increased evaporation that will impact on surface water as temperatures increase, will become increasingly

important. Artificial recharge of aquifers will be an important element of water management.

The NWA requires the establishment of national monitoring and information systems, for all aspects of water resources. There is a well-established network of monitoring points that provide for the collection of data and information to assess among other things water quantity and quality as well as water use. It further includes information on the ecological properties of water resources, both surface and groundwater. The development, maintenance and refurbishment of gauging weirs seeks to improve the coverage of rainfall and runoff gauging that has deteriorated and, in some instances, no longer functional.

Strong regulation is critical to achieve water security in South Africa, in terms of water quality (in rivers and taps). An incentive-based regulation initiative pursuing excellence in wastewater service management was introduced to create a paradigm shift from minimum requirement compliance towards continued risk management. The Green Drop report reviews the WSAs compliance with the requirements for wastewater service management.

One of the main mechanisms of ensuring access to sufficient water, protection of the environment, and reallocation of water to advance the previously disadvantaged communities is to control water use. Water use registration regulates the manner in which water can be used. The 2017 regulations indicate that process of water use applications is undertaken within a period of 300 days of submitting such application. However, the Framework Agreement for the Jobs Summit requires a review of the turnaround time for considering water use license applications. This is essential in the effective implementation of the various projects particularly emerging farming enterprises in the agricultural sector.

The aim of setting of waste discharge standards is to ensure that the aquatic ecosystem will not be compromised. It also seeks to ensure that the quality will always comply with the requirements for basic human needs and other economic uses, bearing in mind that at least some basic treatment process will be applied before the water is used. It therefore supports the pricing strategy in differentiating between different types of water uses and water users as it affects the charges for different uses and users. It is one mechanism that the pricing strategy achieves equity.

Compliance, monitoring and enforcement (CME) is one of the priority focus areas identified in the second edition of the national Water Resources Strategy. CME is essential to support water allocation and water allocation reform (WAR) to ensure that water is used according to authorisation conditions, and by legally authorised water users.

The NWA provides for the establishment and transformation of institutions to assist in giving effect to the Department's mandate. The enactment of the NWA provided for the establishment of the institutional framework for water resource management. To manage water resources at the catchment level, the NWA provides for the establishment of catchment management agencies (CMAs) that must ensure that all interested and affected stakeholders (including poor communities that have been disadvantaged and marginalised) participate in the decisions of the CMA. It also provides for the transformation of existing irrigation boards into Water User Associations that include emerging farmers.

2.3 Programme 3: Water Services Management

The programme addresses the water and sanitation services provision across water and sanitation value chain in support to water service authorities. The integration of bulk and retail water services to improve the coherence of the sector and to realise economies of scale and efficient use of water. It also provides for the development of effective policies, strategies, guidelines and procedures and plans as well as oversight and regulation of all water service management institutions.

The Municipal Strategic Self-Assessment (MuSSA) is an annual review on the effectiveness of water services management within WSAs. The WSAs which may be a district, local, or metropolitan municipality undertake a structured self-evaluation of their current and expected future performance in providing water and sanitation services. The review is based on five "essence questions" for 18 "business health attributes" related to service delivery in general and water and sanitation services. The MuSSA reports for each WSA provide an insight particularly on the strengths and vulnerabilities in terms of water and sanitation service delivery.

Water conservation and water demand management targets will be set for all water use sectors (namely agriculture, industries, mining, power generation, municipal and domestic water supply) to reduce total the water requirements from existing infrastructure. In addition, through the existing grant mechanisms, water conservation and water demand strategies would be implemented by supporting projects that will directly impact on bulk infrastructure requirements.

Domestic rainwater harvesting should be encouraged as a way of improving household food security, income savings and improved reliability of water supply, especially in rural areas. Although mostly only suitable as augmentation, it has been proven that, with good management, rainwater harvesting can yield more economical water than formal municipal water supply.

An incentive-based regulation initiative pursuing excellence in drinking water quality was introduced to create a paradigm shift from minimum requirement compliance towards continued risk management. The Blue Drop report reviews the WSAs compliance with the requirements for drinking water quality management.

The Municipal Strategic Self-Assessment (MuSSA) is an annual review on the effectiveness of water services management within WSAs. The WSAs which may be a district, local, or metropolitan municipality undertake a structured self-evaluation of their current and expected future performance in providing water and sanitation services. The review is based on five "essence questions" for 18 "business health attributes" related to service delivery in general and water and sanitation services. The MuSSA reports for each WSA provide an insight particularly on the strengths and vulnerabilities in terms of water and sanitation service delivery.

The NWA provides for the establishment and transformation of institutions to assist in giving effect to the Department's mandate. The enactment of the Water Services Act provided for the establishment of the institutional framework for water services.

The enactment of the Water Services Act provided for the establishment of the institutional framework for water resource management and water services. The NDP indicates that "*while local government will retain responsibility for ensuring adequate service provision in its areas, regional water utilities will provide services where municipalities have inadequate technical and financial capacities*[14]*.*

[14] Source: National Development Plan 2030, National Planning Commission (2012: 178)

3 PROGRAMME RECOURSE CONSIDERATIONS

Please refer to the tables on reconciling performance targets with the budget over the medium term below each programme performance targets.

4 PUBLIC ENTITIES

No	Name of entity	Province	Budget in R'000		Date of next evaluation
			Current 2021/22 budget	Projected 2022/23 budget	
1	Amatola Water	Eastern Cape	495 566	550 518	April 2022
2	Bloem Water	Free State	881 739	979 342	April 2022
3	Breede-Gouritz CMA	Western Cape	65 800	80 000	November 2022
4	Inkomati-Usuthu CMA	Mpumalanga	123 496	156 000	November 2022
5	Lepelle Water	Limpopo	735 312	782 790	April 2022
6	Magalies Water	North West	872 688	957 144	April 2022
7	Mhlathuze Water	KwaZulu-Natal	734 246	821 174	April 2022
8	Overberg Water	Western Cape	73 602	71 587	April 2022
9	Rand Water	Gauteng, Mpumalanga, North West and Free State	17 480 269	19 442 253	April 2022
10	Sedibeng Water	Free State, North West and Northern Cape	2 020 166	2 163 045	April 2022
11	Trans Caledon Tunnel Authority	National	9 954.17	1 621.06	November 2022
12	Umgeni Water	KwaZulu-Natal	5 027 745	5 516 801	April 2022
13	Water Research Commission	National	296 765	361 000	November 2022

5 INFRASTRUCTURE PROJECTS

Tabulated below is the department's long term infrastructure and capital plan for the medium term

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
A	**Mega projects (total project cost of at least R 1 billion over the project life cycle)**								
Infrastructure transfers for bulk raw water projects									
1	Olifants River Water Resources Development Project (phases 2B and 2G)	Limpopo	Greater Sekhukhune DM	Pumping stations, pipelines, balancing dams, operational infrastructure, and appurtenant structures	Construction of Flag Boshielo to Mokopane pipeline and second pipeline between Flag Boshielo to Mokopane	SIP 1	Design	6 550 000	0
2	Mokolo and Crocodile Water Augmentation Project (MCWAP) Phases 2A	Limpopo	Waterberg DM, Limpopo	Pumping stations, pipelines, balancing dams, operational and National Key Point infrastructure and appurtenant structures	Augmentation of domestic and industrial water supply to the new Eskom/ independent power producer power stations to extend associated mining activities and accommodate growing population in the area	SIP 1	Design	12 362 000	293 004[15]

[15] 11% social component funded from the fiscus and 89% commercial component funded off-budget by TCTA

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
3	uMkhomazi Water Project	KwaZulu-Natal	Harry Gwala DM	Dam, transfer infrastructure, water treatment infrastructure	Transfer of water from the undeveloped uMkhomazi River to the existing Mgeni system to further augment water supply to the Durban and Pietermaritzburg areas	-	Project preparation	23 243 000	0
4	Foxwood Dam	Eastern Cape	Amathole DM	Dam	Constructing a major dam at the Foxwood site in the Koonap River for the purpose of augmenting water supplies to Adelaide and to provide reliable water supplies for existing and new irrigation	-	Project preparation	2 473 000	12 374
5	Lusikisiki Regional Water Supply Scheme: Zalu Dam on the Xura River	Eastern Cape	O R Tambo DM	Dam and appurtenant infrastructure	Construction of storage dam to supply water for domestic use and irrigation to the town of Lusikisiki and surrounding villages	SIP 3	Design	1 092 000	20 440
6	Acid mine drainage	National	National	Long term infrastructure	Construction of water treatment works	-	Feasibility	-	300 000

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
7	Cwabeni Off-Channel Storage Dam	KwaZulu-Natal	Ugu DM	Dam, abstraction weir, pumpstation, and pipeline	Construction of a new dam on the Ncwabeni River to provide assurance of a reliable water supply to the Northern part of the lower KwaZulu-Natal South Coast during dry periods	-	Design	1 026 000	0
8	Olifants River Water Resources Development Project (phase 2F)	Limpopo	Greater Sekhukhune DM	Pumping stations, pipelines, balancing dams, operational infrastructure, and appurtenant structures	Construction of second pipeline parallel to Lebalelo scheme and Lebalelo Scheme to Olifantspoort	SIP 1	Design	2 559 500	0
9	Groot Letaba River Water Development Project: Nwamitwa Dam	Limpopo	Mopani DM	Dam, Water Treatment Plant, Pipelines, Reservoirs	Meeting of projected growing primary supply requirements for 2025, improvement of water availability for the riverine ecosystem and building of Nwamitwa Dam	SIP 1	Design	3 761 000	29 400

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
10	Mzimvubu water project	Eastern Cape	Alfred Nzo DM	Dam and water supply	Development of a conjunctive scheme comprising of 2 multi-purpose dams and associated bulk water distribution infrastructure for domestic and irrigation water supply as well as hydro-generation	SIP 11	Design	20 000 000	68 524
11	Dam safety rehabilitation programme	National	National	Dams	Rehabilitation of assets and improvement of dam safety	-	Construction	2 800 000	150 000
12	Olifants River Water Resources Development Project (phase 2D) [Bulk Distribution Scheme]	Limpopo	Greater Sekhukhune DM	Pumping stations, pipelines, balancing dams, operational infrastructure, and appurtenant structures	Construction of second pipeline between Steelpoort weir to and Mooihoek	SIP 1	Design	2 192 926	0
13	Olifants-Doorn River Water resources project: Raising of Clanwilliam Dam	Western Cape	West Coast DM	Dam	Upgrading of existing dam to stabilise distortion and augmentation of agricultural water supply to meet increasing demands	SIP 5	Construction	3 920 000	195 000

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
14	Olifants River Water Resources Development Project (phase 2C)	Limpopo	Greater Sekhukhune DM	Pumping stations, pipelines, balancing dams, operational infrastructure, and appurtenant structures	Construction of bulk distribution works from Flag Boshielo to Mokopane, De Hoop to Steelpoort, Steelpoort to Mooihoek, Mooihoek to Olifantspoort and Nebo Plateau to Roossenekal	SIP 1	Construction	2 267 000	0
15	Olifants River Water Resources Development Project: De Hoop Dam (phase 2A)	Limpopo	Greater Sekhukhune DM	Dam	Supply of water to new mining developments; augmentation of domestic water supplies to urban and rural users in the middle of the Olifants River catchment area and to various communities on the Nebo Plateau and Sekhukhune	SIP 1	Close-out	3 497 689	0
Infrastructure transfers for water service projects (i.e. Schedule 5B)									
16	OR Tambo Mthatha King Sabata Dalindyebo district municipality bulk water supply	Eastern Cape	OR Tambo DM	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 6	Construction	3 001 534	100 000
	OR Tambo Mthatha King Sabata Dalindyebo district municipality sanitation	Eastern Cape	OR Tambo DM	Bulk sewer	Augmentation of existing bulk sewer scheme	SIP 6	Construction		0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
17	Vaal Gamagara scheme phase 1 of 2	Northern Cape	Pixley ka Seme DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 11	Construction	18 000 000	250 000
18	Polokwane wastewater treatment works phase 1	Limpopo	Capricorn DM	Bulk sewer	Upgrade of existing wastewater treatment works	SIP 18	Construction	1 043 836	361 157
19	Umshwathi bulk water supply scheme (phase 3)	KwaZulu-Natal	uMgungundlovu DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	2 308 734	307 152
20	Greater Mthonjaneni bulk water supply (phase 2)	KwaZulu-Natal	King Cetshwayo DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	1 228 190	27 409
21	Ngcebo BWS	KwaZulu-Natal	iLembe DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	1 420 678	0[16]
22	Driefontein: Spioenkop to Ladysmith bulk water supply	KwaZulu-Natal	uThukela DM	Bulk Water Supply	Construction of bulk water scheme	SIP 18	Planning/ IRS	1 479 397	0
Departmental infrastructure water service projects (i.e. Schedule 6B)									
23	Magalies water supply to Waterberg (Klipvoor)	Limpopo	Waterberg DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Feasibility	1 891 000	0
24	Sedibeng bulk regional sewer phase 1 of 2	Gauteng	Sedibeng DM	Wastewater Services	Construction of new wastewater treatment works (i.e. Rietspruit and Leeuwkuil)	SIP 18	Construction	3 000 000	100 000

[16] Approved funding for this project has been exhausted. WSA was to complete the project using co-funding

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
25	Mogalakwena bulk water supply phase 2	Limpopo	Waterberg DM	Bulk Water Supply	Upgrade of boreholes and construction of new bulk water scheme	SIP 1	Construction	1 650 000	74 434
26	Sebokeng Wastewater Treatment Works phase 2 of 2	Gauteng	Sedibeng DM	Wastewater Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	1 123 584	263 000
27	Giyani Water Services	Limpopo	Mopani DM	Bulk Water Services	Construction and upgrading of existing water services infrastructure	SIP 6	Construction	2 511 429	306 000
28	Thembisile water scheme (Loskop) phase 1 of 3	Mpumalanga	Nkangala DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Planning/ Construction	1 500 000	32 498
29	West Rand Regional Bulk Scheme: Hannes Van Niekerk	Gauteng	Rand West DM	Wastewater Services	Upgrade of existing wastewater treatment works	SIP 18	Completed	TBC[17]	0
	West Rand Regional Bulk Scheme: Zuurbekom	Gauteng	Rand West DM	Wastewater Services	Construction of new wastewater treatment works	SIP 18	Design		7 747
	West Rand Regional Bulk Scheme: Syferfontein	Gauteng	Rand West DM	Bulk water and sanitation		SIP 18	Design		
	West Rand Regional Bulk Scheme: Mohlakeng / Westonaria pump station	Gauteng	Rand West DM	Wastewater Services		SIP 18	Construction		50 000

[17] The project cost will be confirmed when the Syferfontein and Zuurbekom IRS have been finalised

	Project name	Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
30	Ebenezer & Olifantspoort Water Schemes	Limpopo	Mopani DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Parked	TBC	0
31	The project cost will be confirmed when the Syferfontein and Zuurbekom IRS have been finalised	Large projects (total project cost of at least R250 million but less than R1 billion over the project life cycle)							
Infrastructure transfers for bulk raw water projects									
32	Lesotho-Botswana Pipeline (Tax Portion)	Lesotho to South Africa to Botswana	N/A	-	Transboundary pipeline and associated works conveying water from Lesotho to both South Africa and Botswana	-	Feasibility	6 581	1 924
33	Lower Orange River Project (Vioolsdrift / Noordoewer Dam)	Northern Cape (Border of SA and Namibia)	N/A	Flow re-regulation and increased Lower Orange System yield	Construction of large dam at Vioolsdrift for flow re-regulation and storage capacity. Joint development with Namibia	-	Feasibility	14 202	3 500
34	Crocodile East Water Project (Mbombela)	Mpumalanga	Ehlanzeni DM (Mbombela)	-	Large off-channel storage dam, diversion weir and bulk distribution infrastructure to supply City of Mbombela and surrounding smaller towns (e.g. White River Town)	-	Feasibility	2 000 000	7 000

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
35	Malmani Dolomites Groundwater	Limpopo and Mpumalanga Escarpment, Olifants Water Management Area (WMA)		Bulk water supply and local settlement supply	Augmentation of water supply to the Olifants River Water Supply System (ORWSS) by optimizing the conjunctive use between surface water and groundwater	-	Feasibility	500 000	1 500
36	Mangaung Water Project: Xhariep Pipeline	Free State	Mangaung Metro	Pipeline and associated bulk distribution infrastructure	Large bore pipeline from exiting Gariep Dam for augmentation of supply to Greater Mangaung Metro	-	Feasibility	20 000	12 000
37	Clanwilliam Bulk Water Conveyance Infrastructure Project (Phase 1)	Western Cape	West Coast DM	New and upgraded existing conveyance infrastructure	Bulk conveyance infrastructure from the raised Clanwlliam Dam to establish historically disadvantaged (resource-poor) farmers	-	Feasibility	12 308	7 600
38	Berg River – Voelvlei Augmentation Scheme (Western Cape Water Supply System Augmentation)	Western Cape	Drankenstein LM & Swartland LM	Additional yield in the existing Voelvlei Dam	Pumped abstraction of winter water from the Berg River to augment the Western Cape Water Supply System	-	Design	728 000	34 500

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
39	Olifants River water resources development project (phases 2E) Bulk Distribution Scheme	Limpopo	Greater Sekhukhune DM	Pumping stations, pipelines, balancing dams, operational infrastructure, and appurtenant structures	Construction of second pipeline parallel to Lebalelo scheme and Lebalelo Scheme to Olifantspoort	SIP 1	Design	923 990	0
40	Thukela Goedertrouw transfer scheme	KwaZulu-Natal	King Cetshwayo DM	Pumping stations, pipelines, abstraction pumps and desanding works	Increasing capacity of the Thukela Goedertrouw transfer scheme from 1.2 cumecs to 2.4 cumecs	-	Construction	646 000	120 000
41	Groot Letaba River water development project: Raising of Tzaneen Dam	Limpopo	Mopani DM	Dam, Water Treatment Plant, Pipelines, Reservoirs	Meeting of projected growing primary supply requirements for 2025; improvement of water availability for the riverine ecosystem and raising of Tzaneen Dam	SIP 1	Construction	600 000	80 825
42	Mdloti River development project: Raising of Hazelmere Dam	KwaZulu-Natal	iLembe DM	Dam (radial crest gates)	Augmentation of water supply to Umgeni Water for treatment, for KwaZulu-Natal North coast	SIP 2	Construction	620 000	182 490
Infrastructure transfers for water service projects (i.e. Schedule 5B)									
43	Msukaligwa regional water supply scheme	Mpumalanga	Gert Sibande DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Design	407 000	75 000

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
44	Taung/ Naledi bulk water supply phase 2E	North West	Dr Ruth Mompati DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 4	Construction	733 754	90 728
45	Namakwa bulk water supply phase 2	Northern Cape	Namakwa DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	648 312	119 306 943
46	Pilanesberg bulk water supply phase 3	North West	Bojanala DM	Bulk Water Supply	Upgrade of existing bulk water scheme and construction of new bulk water scheme.	SIP 4	Planning	796 631	0
47	Amatola Water: Refurbishment of 6 existing plants and downstream infrastructure	Eastern Cape	Amathole DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 6	Construction	500 000	0
48	Greater Mamusa bulk water supply phase 2 (Bloemhof WTW) & 3 (pipeline to Schweizer Reneke)	North West	Dr Ruth Mompati DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 4	Construction	444 288	80 000
49	Chris Hani district municipality: Ncora bulk water supply (cluster 4)	Eastern Cape	Chris Hani DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 6	Construction	421 727	114 662
50	Chris Hani district municipality: Ngcobo bulk water supply (cluster 6)	Eastern Cape	Chris Hani DM	Bulk Water Supply	Construction of new bulk water scheme and spring protection	SIP 6	Construction	321 727	49 629

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
51	Xonxa BWS	Eastern Cape	Chris Hani DM	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	443 998	112 094
52	Nooitgedacht Coega Low Level scheme	Eastern Cape	Nelson Mandela Bay Metro	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	390 287	0
53	Greytown BWS	KwaZulu-Natal	Mzinyathi DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 6	Construction	950 000	4 738
54	Middledrift BWS	KwaZulu-Natal	King Cetshwayo DM	Bulk Water Supply	Construction of new water treatment works	SIP 6	Construction	340 000	0
55	Greater Bulwer	KwaZulu-Natal	Harry Gwala DM	Bulk Water Supply	Upgrade of existing water treatment works	SIP 6	Construction	343 337	9 026
56	Nongoma bulk water supply	KwaZulu-Natal	Zululand DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	529 134	0[18]
57	Greater Mpofana bulk water supply	KwaZulu-Natal	uMgungundlovu DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	469 293	239 206 057
58	Maphumulo BWS	KwaZulu-Natal	iLembe DM	Bulk Water Supply	Construction of bulk water scheme	SIP 18	Construction	294 621	0
59	Ngwathe bulk water supply phase 3 of 3	Free State	Fezile Dabi DM	Bulk Water Supply	Development of borehole to augment existing bulk water scheme	SIP 18	Construction	250 000	47 500

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
60	Balf/ Siyathemba bulk water supply (phase 2 of 4)	Mpumalanga	Gert Sibande DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	590 709	0
61	Empuluzi and Methula bulk water scheme (phases 1 of 3)	Mpumalanga	Gert Sibande DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	291 021	170 407
62	Kagisano Molopo bulk water supply	North West	Dr Ruth Mompati DM	Bulk Water Supply	Upgrade of existing water treatment works and new bulk water scheme	SIP 4	Designs	350 000	0
63	Polokwane bulk water supply	Limpopo	Capricorn DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 6	Construction	600 000	0
64	Mantsopa bulk water supply phase 2 of 2	Free State	Thabo Mofutsanyana DM	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 18	Construction	250 000	10 000
65	Driefontein Indaka bulk water supply	KwaZulu-Natal	uThukela DM	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	378 529	39 399

[18] RBIG commitment exhausted

	Project name	Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
66	Stellenbosch wastewater treatment works	Western Cape	Cape Winelands DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Completed DWS commitment is	304 256	Refer to MIG
67	Mhlabatshane bulk water supply	KwaZulu-Natal	uGu DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Completed DWS commitment	483 482	Refer to MIG
68	Dukuduku resettlement bulk water supply	KwaZulu-Natal	uMkhanyakude DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Completed DWS commitment	266 382	Refer to MIG
69	Chris Hani district municipality bulk water supply: Quthubeni (cluster 9) phase 1	Eastern Cape	Chris Hani DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	255 336	64 814
70	Stephen Dlamini Dam	KwaZulu-Natal	Harry Gwala DM	Dam	Construction of new dam	-	Project preparation	650 000	0
Departmental infrastructure water service projects (i.e. Schedule 6B)									
71	Matoks bulk water supply	Limpopo	Capricorn DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	880 000	0
	Western Highveld regional bulk water supply	Mpumalanga	Nkangala DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Planning	486 000	0
	Western Highveld bulk water supply scheme (Rust de Winter)	Mpumalanga	Nkangala DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	IRS	643 000	10 000
72	Lebalelo Central and North regional water supply	Limpopo	Sekhukhune DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	600 000	0
73	Nzhelele Valley bulk water supply	Limpopo	Vhembe DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	600 000	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
74	Glen Alpine bulk water supply	Limpopo	Capricorn DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 1	Feasibility	345 000	0
75	Lephalale/ Eskom: Bulk water augmentation	Limpopo	Waterberg DM	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 6	Feasibility	330 000	0
76	Bitou cross border bulk water supply	Western Cape	Eden DM	Waste Water Services	Construction of new bulk sewage conveyance pipelines	SIP 18	Feasibility	250 000	0
77	Sundwana water supply	Eastern Cape	Amathole DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	591 000	0
78	Mpumalanga Lowveld feasibility studies	Mpumalanga		Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Feasibility	800 000	0
79	Emalahleni bulk water supply	Mpumalanga	Nkangala DM	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 18	Feasibility	335 605	0
80	Ohrigstad bulk water supply	Limpopo	Greater Sekhukhune DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Feasibility	450 000	0
81	Aganang bulk water supply	Limpopo	Capricorn DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Design	350 000	0
82	West Coast desalination plant	Western Cape	West Coast DM	Bulk Water Supply	Construction of new desalination plant	SIP 18	Design	563 212	20 000
83	Butterworth water transfer scheme	Eastern Cape	Chris Hani DM	Bulk Water Supply	Construction of a pipeline and pump station	SIP 18	Construction	400 000	0

	Project name	Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
84	Matjhabeng bulk sewer (Welkom)	Free State	Lejweleputswa DM	Waste Water Services	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 18	Construction	420 000	0
85	Ndlambe bulk water supply phase 1	Eastern Cape	Sarah Baartman DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 18	Construction	879 000	60 000
86	Xhora East bulk water supply	Eastern Cape	Amathole DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	620 227	56 366
87	Meyerton wastewater treatment works	Gauteng	Sedibeng DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	257 462	105 000
88	Madibeng bulk water supply phase 2	North West	Bojanala Platinum DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 4	Construction	446 585	120 000
89	Nketoana bulk water supply Phase 1 & 2	Free State	Thabo Mofutsanyana DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 18	Construction	304 000	80 000
90	Potchefstroom (Tlokwe) water treatment works upgrade	North West	Dr Kenneth Kaunda	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 4	Construction	400 000	20 375
91	Sinthumule Kutama bulk water augmentation phase 3 of 3 (including Luvuvhu GWS)	Limpopo	Vhembe DM	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	751 603	115 332

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
92	Moutse bulk water supply phase1-15	Limpopo	Greater Sekhukhune DM	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 6	Construction	850 000	75 000
93	Moretele South bulk water supply phase 2 (pipeline)	North West	Bojanala Platinum DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 4	Construction	640 617	35 000
94	Ngwathe bulk sewer phase 2 of 2 (Parys)	Free State	Fezile Dabi DM	Waste Water Services	Upgrade of existing waste water treatment works	SIP 18	Construction	300 000	20 000
95	Dihlabeng bulk water supply (phase 3 of 3)	Free State	Thabo Mofutsanyana DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	255 000	30 000
96	Giyani bulk water supply drought relief (Nandoni Nsami)	Limpopo	Mopani DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	589 946	114 234
97	Mametja Sekororo bulk water supply phase 1 of 2	Limpopo	Capricorn DM	Waste Water Services	Construction of new bulk water scheme	SIP 18	Construction	310 718	50 000
98	Tokologo regional water supply (phase 2 of 2)	Free State	Lejweleputswa DM	Bulk Water Supply	Upgrade of bulk water scheme	SIP 18	Construction	320 000	100 000
99	Masilonyana bulk water supply phase 2 of 2	Free State	Lejweleputswa DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	304 941	153 064
100	Mafikeng South bulk water supply phase 2 & 3 (upgrade of water treatment works)	North West	Ngaka Modiri Molema DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	286 648	43 000
101	Welbedacht pipeline (Mangaung)	Free State	Mangaung Metro	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	500 000	0

	Project name	Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
C	**Small projects (total project cost of less than R250 million over the project life cycle)**								
Infrastructure transfers for water service projects (i.e. Schedule 5B)									
102	Mooihoek/ Tubatse bulk water supply	Limpopo	Greater Sekhukhune DM	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 1	Construction	714 000	30 000
103	Nebo bulk water supply	Limpopo	Greater Sekhukhune DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	978 400	60 000
104	Ratlou BWS phase 2 (Madibogo)	North West	Ngaka Modiri Molema DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 4	Construction	271 000	30 000
105	Driekoppies bulk water supply upgrades phase 1 of 4	Mpumalanga	Ehlanzeni DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	397 646	100 000
106	Ngqamakwe bulk water supply	Eastern Cape	Amathole DM	Bulk Water Supply	Upgrade of existing water treatment works	SIP 4	Construction	370 000	20 000
107	Kannaland Dam relocation	Western Cape	Eden DM	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 18	Construction	300 000	10 000
D	**Small projects (total project cost of less than R250 million over the project life cycle)**								
Infrastructure transfers for water service projects (i.e. Schedule 5B)									
108	Lady Grey bulk water supply	Eastern Cape	Joe Gqabi DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	IRS	128 533	0
109	Sterkspruit bulk water supply	Eastern Cape	Joe Gqabi DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	IRS	50 000	0
110	Coffee bay water treatment works	Eastern Cape	O R Tambo DM	Water Services	Upgrade of existing water treatment works	SIP 18	Feasibility	130 000	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
111	Danielskuil wastewater treatment works	Northern Cape	ZF Mgcawu DM	Waste Water Services	Upgrade of existing water treatment works	SIP 18	Feasibility	12 644	12 644
112	Clanwilliam water treatment works	Western Cape	West Coast DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	IRS	31 349	19 471
113	Eerstehoek/ Ekulindeni bulk water supply	Mpumalanga	Gert Sibande DM	Bulk Water Supply	Construction of new bulk water supply and upgrade of existing water treatment works	SIP 18	Design	115 122	25 000
114	Mandlakazi bulk water supply phase 5	KwaZulu-Natal	Zululand DM	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	94 000	100 000
115	Setsoto bulk water supply phase 3 of 4	Free State	Thabo Mofutsanyana DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	147 644	132 108
116	Rouxville/ Smithfield/ Zastron bulk water supply (Mohokare)	Free State	Xhariep DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	180 258	40 000
117	Lushushwane bulk water scheme phase 2 & 3	Mpumalanga	Gert Sibande DM	Bulk Water Supply	Construction of new bulk water	SIP 6	Construction	120 000	0
118	Upgrade of Balfour wastewater treatment works phase 2 of 2	Mpumalanga	Gert Sibande DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	85 455	45 000
119	Bushbuckridge water services: Cunningmore to Newington BWS	Mpumalanga	Ehlanzeni DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	190 000	23 000

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
120	Amsterdam bulk water supply (Sheepmore)	Mpumalanga	Gert Sibande DM	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 6	Construction	30 503	40 000
121	Van Wyksvlei groundwater phase 2	Northern Cape	Pixley ka Seme DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	94 700	67 551
122	Hantam desalination plant (Brandvlei)	Northern Cape	Namakwa DM	Bulk Water Supply	Construction of new desalination plant	SIP 18	Construction	66 569	31 100
123	Loeriesfontein bulk water supply phase 1	Northern Cape	Namakwa DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	95 442	0
124	Ritchie bulk water scheme phase 2	Northern Cape	Frances Baard DM	Bulk Water Supply	Construction of bulk water supply line and extension of the treatment works as well as associated infrastructure	SIP 18	Construction	40 423	0
125	Britstown oxidation ponds	Northern Cape	Pixley ka Seme DM	Waste Water Services	Upgrade of existing waste water treatment works	SIP 18	Construction	30 600	0
126	Kathu bulk water supply	Northern Cape	John Taolo Gaetsewe DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	90 000	0
127	Citrusdal wastewater treatment works phase 2 of 2	Western Cape	West Coast DM	Waste Water Services	Construction of new wastewater treatment works	SIP 4	Construction	52 667	0
128	Tulbagh bulk water supply (Witzenberg)	Western Cape	Cape Winelands DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	76 807	19 471

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
129	Hofmeyer groundwater	Eastern Cape	Chris Hani DM	Bulk Water Supply	Development of borehole to augment existing bulk water scheme	SIP 6	Construction	64 000	0
130	Middelburg groundwater supply	Eastern Cape	Chris Hani DM	Bulk Water Supply	Development of borehole to augment existing bulk water scheme	SIP 18	Construction	32 505	7 000
Departmental infrastructure water service projects (i.e. Schedule 6B)									
131	Ikwezi bulk water supply	Eastern Cape	Sarah Baartman DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Design/ Tender	50 557	10 000
132	Kirkwood water treatment works	Eastern Cape	Sarah Baartman DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Design/ Tender	22 186	10 000
133	Misgund bulk water supply	Eastern Cape	Sarah Baartman DM	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 18	Design/ Tender	13 640	10 000
134	Pixley ka Seme bulk water supply	Northern Cape	Pixley ka Seme DM	Bulk Water Supply	Upgrade of existing groundwater water scheme	SIP 18	Feasibility	40 000	0
135	Marydale bulk water supply	Northern Cape	Pixley ka Seme DM	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 18	Completed	11 200	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
136	Kakamas wastewater treatment works	Northern Cape	Siyanda DM	Waste Water Services	Construction of new wastewater treatment works	SIP 18	IRS	50 000	0
137	Nahoon Dam (Buffalo City municipality)	Eastern Cape	Buffalo City Metro	Waste Water Services	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 4	Feasibility	150 000	0
138	Beaufort West bulk water supply	Western Cape	Central Karoo DM	Waste Water Services	Upgrade of existing wastewater treatment works and construction of new wastewater treatment works	SIP 18	IRS	46 283	5 000
139	Ntabankulu bulk water supply	Eastern Cape	Alfred Nzo DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Feasibility	245 000	0
140	Kinira regional bulk water supply	Eastern Cape	Alfred Nzo DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	34 500	0
141	Capricorn master plan	Limpopo	Capricorn DM	Bulk Water Supply	Development of master plan	SIP 18	Master plan	3 100	0
142	Sekhukhune master plan	Limpopo	Greater Sekhukhune DM	Bulk Water Supply	Development of master plan	SIP 18	Master plan	3 100	0
143	Bushbuckridge master plan	Mpumalanga	Ehlanzeni DM	Bulk Water Supply	Development of master plan	SIP 18	Master plan	3 500	0
144	Belmont wastewater treatment works	Eastern Cape	Sarah Baartman DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Design	142 000	0
145	Mkemane regional bulk water supply	Eastern Cape	Alfred Nzo DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	52 000	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
146	Trompsburg bulk sewer	Free State	Xhariep DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Feasibility	76 000	0
147	Upgrading of Deneysville wastewater treatment works	Free State	Fezile Dabi DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	150 000	30 000
148	Masilonyana bulk sewer (Brandfort and Winburg)	Free State	Lejweleputswa DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Feasibility	70 000	0
149	Reitz upgrading wastewater treatment plant	Free State	Thabo Mofutsanyana DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Feasibility	55 000	0
150	Mantsopa bulk sewer (Ladybrand)	Free State	Thabo Mofutsanyana DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Feasibility	30 000	10 000
151	Nebo bulk water supply -De Hoop Augmentation/ North/ South/ Steelpoort	Limpopo	Greater Sekhukhune DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Design	150 192	0
152	Carolina Silobela bulk water scheme	Mpumalanga	Gert Sibande DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Feasibility	200 000	0
153	Provincial high catalytic projects (Mutash Hub)	Limpopo	Vhembe DM	Bulk Water Supply	Construction of new bulk water scheme for various purposes	SIP 6	Feasibility	200 000	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
154	Greater Letaba Water Augmentation Project distribution: Mopani Works	Limpopo	Mopani DM	Bulk Water Supply	Refurbishment of Nkambako WTW and Babanana[19] 19pipeline	SIP 18	Construction	80 000	24 612
155	Upington / Kameelmond wastewater treatment works	Northern Cape	ZF Mgcawu DM	Waste Water Services	Construction of a new wastewater treatment works in Upington	SIP 18	Construction	85 229	57 904
156	Graaff-Reinet emergency water supply	Eastern Cape	Sarah Baartman DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	50 798	7 000
157	Sundays River bulk water supply	Eastern Cape	Sarah Baartman DM	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 18	Construction	106 465	3 000
158	Matatiele bulk water supply	Eastern Cape	Alfred Nzo DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	182 344	10 000
159	Phumelela bulk water supply phase 2 of 2	Free State	Thabo Mofutsanyana DM	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 18	Construction	166 000	0
160	Maluti-a-Phofung bulk water supply phase	Free State	Thabo Mofutsanyana DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 3	Construction	240 000	66 000
161	Port Nolloth bulk water supply	Northern Cape	Namakwa DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	44 057	21 782

[19] Also spelt as Bambanana in the ENE

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
162	De Aar bulk water supply (De Aar Borehole Development)	Northern Cape	Pixley ka Seme DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 6	Construction	43 735	0
163	Windsorton to Holpan bulk water supply phase 1 (pipeline)	Northern Cape	Frances Baard DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	43 850	0
164	Warrenton water treatment works	Northern Cape	Frances Baard DM	Bulk Water Supply	Upgrade of existing water treatment works and new bulk water scheme	SIP 18	Construction	30 629	21 221
165	Mafube bulk sewer phase 2 of 2	Free State	Fezile Dabi DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	126 000	0
166	Vanderkloof/ Renosterberg bulk water supply phase 1	Northern Cape	Pixley ka Seme DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	32 050	Refer to MIG
167	Sibange bulk water supply phase 1 of 2	Mpumalanga	Ehlanzeni DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	108 656	60 000
168	Oudtshoorn groundwater supply	West Cape	Eden DM	Waste Water Services	Provision of groundwater development	SIP 18	IRS / Construction	190 000	0
169	Vanrhynsdorp raw water supply	Western Cape	West Coast DM	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 18	IRS / Design	83 239	0
170	Klawer bulk water supply	Western Cape	West Coast DM	Bulk Water Supply	Augmentation of existing bulk water scheme from boreholes	SIP 18	IRS / Design	25 669	5 000

[10] Also spelt as Bambanana in the ENE

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
171	Ladismith wastewater treatment works	Western Cape	Eden DM	Bulk Water Supply	Upgrade of existing wastewater treatment works	SIP 18	Construction	77 458	30 000
172	James Kleynhans bulk water supply	Eastern Cape	Sarah Baartman DM	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 18	Construction	66 000	66 000
173	Upgrade of Delmas wastewater treatment works phase 2	Mpumalanga	Nkangala DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	75 676	0
174	Makana bulk sewer	Eastern Cape	Cacadu DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	15 000	10 000
175	Mayfield wastewater treatment works	Eastern Cape	Cacadu DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	72 473	10 000
176	Mount Ayliff bulk peri-urban water supply	Eastern Cape	Alfred Nzo DM	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	187 358	75 000
177	Rothdene pump station and raising main	Gauteng	Sedibeng DM	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	37 442	80 000
178	Ladismith wastewater treatment works	Western Cape	Eden DM	Bulk Water Supply	Upgrade of existing wastewater treatment works	SIP 18	Construction	77 458	30 000
179	Douglas water treatment works upgrading	Northern Cape	Frances Baard DM	Bulk Water Supply	Upgrade of existing water treatment works	SIP 18	Construction	14 750	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
180	Clanwilliam/ Lamberts Bay regional water supply (Cederberg desalination plant)	Western Cape	West Coast DM	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	61 500	36 586
181	Ficksburg Bucket Eradication Programme	Free State	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains and pump station	SIP 18	Construction	60 641	26 083
182	Ficksburg Bulk Sanitation	Free State	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains and pump station	SIP 18	Procurement	60 000	0
183	Reitz Bucket Eradication Programme	Free State	Thabo Mofutsanyana DM	Bulk Infrastructure	Construction of sewer main	SIP 18	Construction	40 656	40 656
184	Reitz Bulk Sanitation	Free State	Thabo Mofutsanyana DM	Bulk Reticulation	Construction of sewer mains and pump station	SIP 18	Procurement	13 000	0
185	Lindley Bucket Eradication Programme	Free State	Thabo Mofutsanyane DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	82 429	0
186	Clocolan Bucket Eradication Programme	Free State	Thabo Mofutsanyana DM	Bulk Bucket	Construction of sewer main and pump station	SIP 18	Construction	70 000	0
187	Clocolan Bucket Eradication Programme	Free State	Thabo Mofutsanyana DM	Bulk Infrastructure	Construction of sewer mains, pump station	SIP 18	Construction	53 216	50 280
188	Clocolan Bulk Sanitation	Free State	Thabo Mofutsanyana DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	60 000	0
189	Senekal Bucket Eradication Programme	Free State	Thabo Mofutsanyana DM	Bulk Infrastructure	Construction of sewer mains, pump station and package plant	SIP 18	Construction	79 370	29 303
190	Senekal Bucket Sanitation	Free State	Thabo Mofutsanyana DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	40 000	0

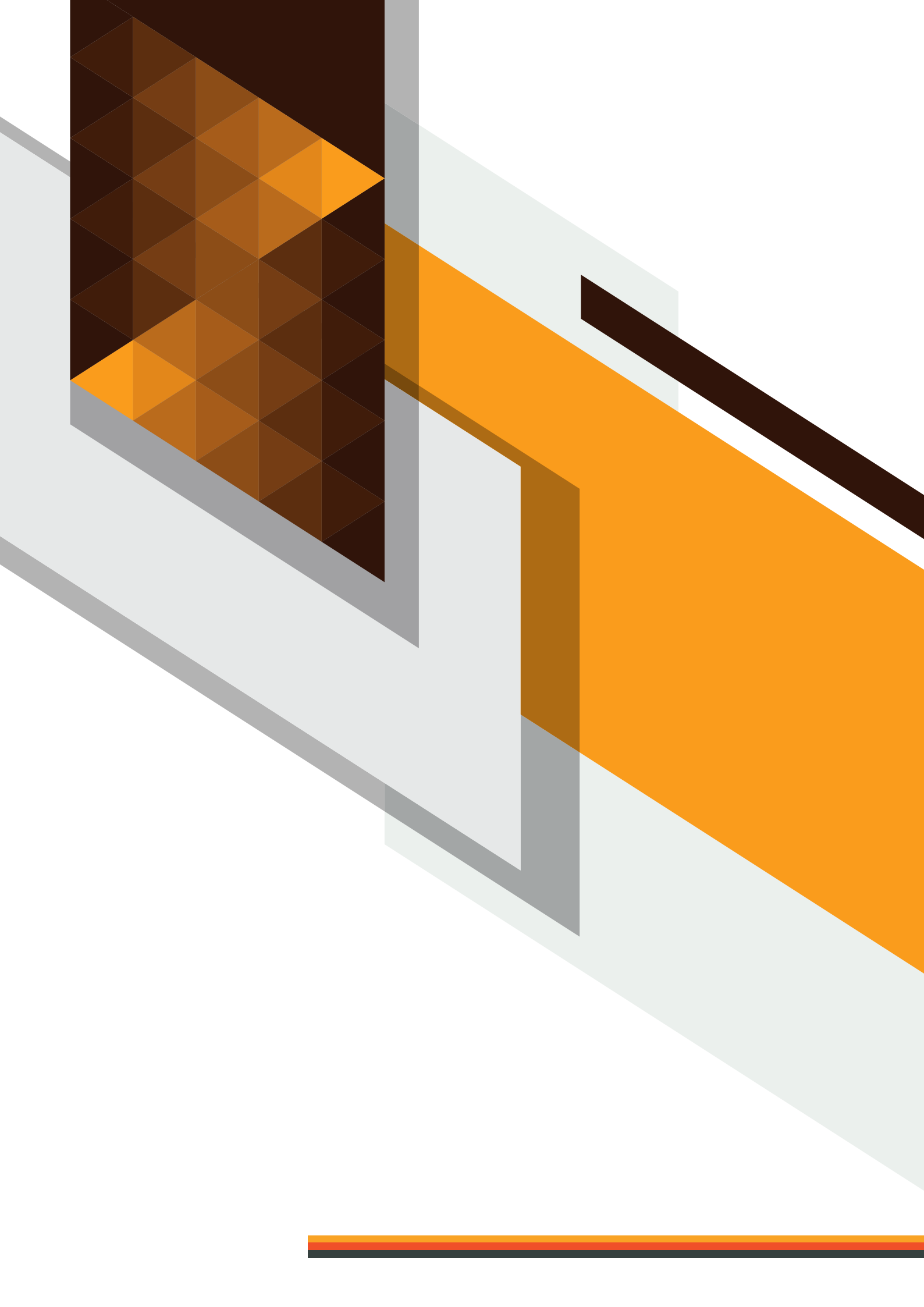
Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
191	Senekal Bucket Sanitation	Free State	Thabo Mofutsanyana DM	Bulk Bucket	Construction of sewer mains, pump station	SIP 18	Procurement	15 000	0
192	Senekal Bucket Sanitation	Free State	Thabo Mofutsanyana DM	Bulk Infrastructure	Construction of sewer package plant	SIP 18	Procurement	35 000	0
193	Arlington Bulk Sanitation	Free State	Thabo Mofutsanyane DM	Bulk Infrastructure	Construction of sewer main sand package plant	SIP 18	Construction	74 084	74 084
194	Arlington Bulk Sanitation	Free State	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	50 000	0
195	Arlington Bulk Sanitation	Free State	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer package plant	SIP 18	Procurement	35 000	0
196	Petrus Steyn Bucket Eradication Programme	Free State	Thabo Mofutsanyane DM	Bulk Infrastructure	Construction of sewer mains	SIP 18	Construction	12 501	12 501
197	Petrus Steyn Bulk Sanitation	Free State	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	28 000	0
198	Hertzogville Bucket eradication Programme	Free State	Lejweleputswa DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	67 079	0
199	Hertzogville Bulk Sanitation	Free State	Lejweleputswa DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	10 000	0
200	Dealesville Bucket Eradication Programme	Free State	Lejweleputswa DM	Bulk Infrastructure	Construction of sewer main, pump station ,grey water recycling package plant	SIP 18	Construction	20 797	20797
201	Dealesville Bulk Sanitation	Free State	Lejweleputswa DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	15 000	0
202	Dealesville Bulk Sanitation	Free State	Lejweleputswa DM	Bulk Bucket	Construction of sewer pump station	SIP 18	Procurement	15 000	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
203	Dealesville Bulk Sanitation	Free State	Lejweleputswa DM	Bulk Bucket	Construction of sewer package plant	SIP 18	Procurement	35 000	0
204	Heilbron Bucket Eradication Programme	Free State	Fezile Dabi DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	15 828	0
205	Griekwastad Bucket Eradication Programme	Northern Cape	Prixley Ka Seme DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	50 773	0
206	Victoria West Bucket Eradication Programme	Northern Cape	Prixley Ka Seme DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	73 611	0
207	Campbell and Griewkastad Bucket eradication Programme	Northern Cape	Siyancuma DM, Northern Cape	Bulk Infrastructure	Pump station, Outfall sewer and inlet works in Oxidation Ponds	SIP18	Construction	56 728	34 262
208	Campbell and Griewkastad Bucket eradication Programme	Northern Cape	Siyancuma DM, Northern Cape	Reticulation	Construction of internal reticulation, toilets, house connection and reticulation network	SIP 18	Construction	7 806	4 672
209	Maranteng Bucket eradication Programme	Northern Cape	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	42 808	0
210	Postdene Bucket eradication Programme	Northern Cape	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	39 254	0
211	Louisvale Bucket eradication Programme	Northern Cape	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	93 248	0
212	Louisvale Bucket Sanitation	Northern Cape	Siyanda DM	Bulk Bucket	Construction of sewer package plant	SIP 18	Procurement	10 000	0

Project name		Location		Output	Project description	SIP category	Current project stage	Total project cost in R'000	2022/23 project allocation in R'000
		Province	District municipality						
213	Rosedale Bucket eradication Programme	Northern Cape	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	151 420	0
214	Fraser Moleketi Bucket eradication Programme	Northern Cape	Francis Baard DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	10 000	0
215	Motswedimosa Bucket eradication Programme	Northern Cape	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	11 000	0
216	Makana Outfalll Sewer	Eastern Cape	Cacadu DM	Bulk Bucket	Construction of a 3.5 km outfall sewer	SIP 18	Procurement	15 000	0
217	Mount Ayliff Bulk Water Supply	Eastern Cape	Alfred Nzo DM	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	208 752	75 000

6 PUBLIC PRIVATE PARTNERSHIPS

None.



PART D:
TECHNICAL INDICATOR DESCRIPTIONS (TID)

PROGRAMME 1: ADMINISTRATION

PPI No: 1.1.1 Percentage compliance with approved audit plan

Indicator title	Percentage compliance with approved audit plan
Definition	This ensures that the requirements of the PFMA.prescripts are met
Source of data	• Three-year and annual internal audit plan for the Main Account approved by June 2022 • Three-year and annual internal audit plan for the Water Trading Entity approved by June 2022 • Quarterly progress reports • Internal Audit Charter approved by June 2022 • Internal IA assessment report approved by July 2022 • Report detailing Internal Audit's Opinion on the Internal Controls of the Department • Compliance and Performance Audit reports for planned audits completed by 31 March 2023 (Main Account) • Compliance and Performance Audit reports for planned audits completed by 31 March 2023 (Water Trading Entity) • Reports for planned IT audit completed by 31 March 2023 (Main Account) • Reports for planned IT audit completed by 31 March 2023 (Water Trading Entity) • Audit Committee Charter approved by June 2022 • Audit Committee Year Planner approved by June 2022 • The AC Report for the Annual Report • Forensic Audit Reports
Method of calculation/ Assessment	If the number of reports managed is given the value "x" and the total number of all reports within a given period is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	Reports will be produced constituting 80% compliance with approved audit plan
Assumptions	The reports will be produced on time
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	80%
Indicator responsibility	Departmental Management

PPI No: 1.1.2: Percentage compliance with the implementation of risk management plan

Indicator title	Percentage compliance with the implementation of risk management plan
Definition	It is a risk implementation plan that the department uses to covers various risk activities
Source of data	• Quarterly Risk reports to Risk Management Committee. • Risk management framework • Risk management strategy • Risk management policy • ToR for risk management committee • Minutes of RMC meeting • Strategic risk register
Method of calculation/ assessment	If the total number of reports to be submitted is 10: (Quarterly Risk report to Risk Management Committee, Risk Management Framework, Risk Management strategy, Risk Management policy, ToR for Risk Management Committee, Minutes of RMC meeting, Strategic Risk Register, Quarterly Risk report to RMC, Quarterly Risk Report to RMC and quarterly Risk Management Report to the RMC) is given the value 'y' and the total number of reports submitted for a particular period is Q1 : 7: Q2: 1, Q3: 1 and Q4: 1 . (Quarterly Risk report to Risk Management Committee, Risk Management Framework, Risk Management Strategy, and Risk Management policy, ToR for Risk Management Committee, Minutes of RMC meeting, and Strategic Risk Register) is given the value 'x'. the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	Document verification includes: • Quarterly Risk report ; • Risk Management Framework ; • Risk Management Strategy , • Risk Management policy , • ToR for Risk Management Committee ; • Minutes of Risk Management Committee meeting and • Strategic Risk Register
Assumptions	Between 80-90 % of the targets will be achieved, it is assumed that Top Management may assign additional work during the cause of the year to the Risk Management Unit which may negatively affect the component from achieving planned targets.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	100 % compliance with the implementation of risk management plan
Indicator responsibility	Departmental Management

PPI No 1.1.3: Percentage vacancy rate for engineers and scientists

Indicator title	Percentage vacancy rate for engineers and scientists
Definition	This measures the extent in which the department maintains the minimum vacancy rate for vacant funded posts in the job category of occupational specific dispensation (OSD) with a particular focus on engineers and scientists
Source of data	Persal system
Method of calculation/Assessment	If the number of vacant engineer and scientist positions is given the value "x" and the total number of funded engineer and scientist positions is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	Quarterly report drawn from the Persal System.
Assumption	Acceptance letters
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	≤10%
Indicator responsibility	Corporate Support Services

PPI No 1.1.4: Percentage of training interventions implemented in the department

Indicator title	Percentage of training interventions implemented in the department
Definition	This measures the extent to which the department implements planned training interventions as identified in the Annual Workplace Skills Plan, thereby developing employees' performance, and enhancing the overall performance of the Department.
Source of data	Quarterly training report
Method of calculation/ Assessment	If the number of reported training is given the value "x" and the number of training is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	Training commitment forms and training reports
Assumption	Budget allocation to fund the intervention, availability of employees to attend training
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	50% training intervention
Indicator responsibility	Corporate Support Services

PPI No 1.1.5: Number of safety and security assessments for facilities and installations conducted

Indicator Title	Number of safety and security assessments for facilities and installations conducted
Definition	This measures the extent in which the department manages the safety and security of facilities
Source of data	Reports
Method of calculation/ Assessment	Quarterly assessments reports
Means of verification	Nominal count of number of reports submitted
Assumption	Assessment plan and assessment reports
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	64 safety and security assessments
Indicator responsibility	Corporate Support Services

PPI No 1.1.6: Percentage of information technology systems availability

Indicator Title	Percentage of information technology systems availability
Definition	This measures the extent in which the department have the availability of its information technology network system
Source of data	Statically information relating to the uptime/downtown of information technology network systems
Method of calculation/ Assessment	Statistical
Means of verification	Retrospective analysis of network systems
Assumption	Availability of electrical power, agility of SCM process, responsiveness, and agility of outside role-players (i.e. SITA)
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	90% information technology (IT) systems available
Indicator responsibility	Corporate Support Services

PPI No 1.2.1: Percentage implementation of the 2022/23 Annual Communication and Public Participation Programme implemented

Indicator Title	Percentage implementation of the 2022/23 Annual Communication and Public Participation Programme implemented
Definition	This measures the extent in which the department assesses the implementation of its approved Annual Communication and Public Participation programme.
Source of data	An annual Communication and Public Participation programme will be developed with reports on its implementation. The document verification includes: • The approved Annual Communication and Public Participation programme • Quarterly reports on the implementation of the Annual Communication and Public Participation Programme.
Method of calculation/ assessment	If the number of implemented Communications activities (i.e. media relations, content development, public relations, branding, awareness campaigns, events and conferencing, public participation) is given the value "x" and the total number of Communication activities in the approved communication and Public Participation programme (i.e. media relations, content development, public relations, branding, awareness campaigns, events and conferencing, Public Participation) is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	The document verification includes: • The approved Annual Communication and Public Participation programme • Quarterly reports on the implementation of the Annual Communication and Public Participation programme
Assumptions	• The assumption is that Public Participation Programmes will contribute to changing the communities' perception about service delivery by the department. • The assumption is that Public Education Programmes will encourage behavioural change with regard to water conservation and water demand management as well as proper practices on health and hygiene. • The assumption is that internal activations will bring a change in staff perception and understanding of Government Programme of Action as well as achieving a buy in and their transformation into Departmental ambassadors. Adoption and willingness to implement departmental policies by staff. • A clear understanding of Departmental Corporate ID and programmes by members of the public through branding and marketing. • The assumption of media briefings and media products is that communities will be empowered and in turn change their views about government which is often perceived as corrupt and not delivering services to the public.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly,
Desired performance	98%
Indicator responsibility	Corporate Services

PPI No 1.3.1: Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)

Indicator Title	Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)
Definition	This measures the extent in which the Department empowers qualifying small enterprises through the procurement of goods and services in line with the Departmental SCM policy.
Source of data	Supply chain database
Method of calculation/ Assessment	If the total procurement is given the value "y" and the total procurement from QSE is given the value "x" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	Purchase orders
Assumption	The specifications will incorporate targets for designated groups (i.e. women, youth and people with disabilities
Disaggregation of Beneficiaries (where applicable)	• 40% for women • 30% for youth • 7% for people with disabilities
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	15% of targeted procurement from qualifying small enterprises
Indicator responsibility	Chief Financial Officer

PPI No 1.3.2: Percentage of targeted procurement budget spent on exempted micro enterprises (EME)

Indicator Title	Percentage of targeted procurement budget spent on exempted micro enterprises (EME)
Definition	This measures the extent in which the Department empowers exempted micro enterprises through the procurement of goods and services in line with the Departmental SCM policy.
Source of data	Supply chain database
Method of calculation/Assessment	If the total procurement is given the value "y" and the total procurement from EME is given the value "x" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	Purchase orders
Assumption	The specifications will incorporate targets for designated groups (i.e. women, youth and people with disabilities
Disaggregation of Beneficiaries (where applicable)	• 40% for women • 30% for youth • 7% for people with disabilities
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	15% of targeted procurement from exempted micro enterprises
Indicator responsibility	Financial Management

PPI No 1.4.1: Percentage implementation of the financial recovery and turnaround plan

Indicator title	Percentage implementation of the financial recovery and turnaround plan
Definition	This measures the extent to which the Key deliverables of the Financial Recovery Plan have been implemented. The analysis assesses the achievement of the following broad strategies: Funding and budget management, Expenditure control, financial governance and accountability, Alignment of strategic intent.
Source of data	Reports on the implementation progress against the Financial Recovery Plan: • Implementation of Audit Action Plan • Zero Balance on Overdraft. • Percentage of the water-use debts recovery rate. % of the reported value as at March 2021. • Disclosure of accruals and payables • Fruitless and Wasteful Expenditure disclosure. • Irregular expenditure disclosure. • Align strategy, annual performance plans and budgets • Comprehensive reconciliations of assets and liabilities to enable maintenance of proper accounting records for management and reporting purposes.
Method of calculation/ Assessment	If the number of reports managed is given the value “x” and the total number of all reports within a given period is given the value “y” the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	Portfolio of evidence/ Reports
Assumptions	The reports will be produced on time
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	90% compliance with financial recovery plan and turnaround
Indicator responsibility	Financial Management

PPI No 1.4.2: Percentage expenditure on annual budget

Indicator title	Percentage expenditure on annual budget
Definition	This measures the extent in which the department spends its appropriated budget within a given financial year.
Source of data	Financial management system
Method of calculation/ Assessment	If the actual annual budget spent is given the value "x" and the total appropriated budget is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	In-Year Monitoring tool
Assumption	Monthly expenditure
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	100% expenditure
Indicator responsibility	Financial Management

PPI No 1.4.3: Number of debtor days

Indicator title	Number of debtor days
Definition	This measures the extent in which the department's Water Trading Entity reduces the number of outstanding debt within a given financial year.
Source of data	Outcome 12 on "An efficient, effective and development oriented public service and contributes to government's outcome on service delivery" requires all government departments to address weaknesses in the management.
Method of Calculation/ Assessment	*Debtor days = trade debtors -impairment sales (billing)×number of days in financial year (as at reporting period)*
Means of verification	Actual debtors recovery days
Assumptions	Trade receivables are calculated nett of Impairment.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	Reduce the number of debtor days to 150 days
Indicator responsibility	Financial Management

PPI No 1.5.1: Percentage implementation of 2022/23 annual International Relations programme

Indicator title	Percentage implementation of 2022/23 annual International Relations programme
Definition	This measures the extent in which the approved International Relations Implementation Plan is implemented.; and it consist of the following: • The new strategic cooperation's initiated with countries in Africa and Globally • The existing agreement with countries in Africa and globally • The obligatory multilateral platforms
Source of data	• Outcomes from the engagements with water sector partners • Attendance register, signed back to office reports and other related reports • Foreign policies and • Country and departmental priorities
Method of Calculation/ Assessment	The total number of implementation of 2022/23 International Relations programme that will include the following [2 new cooperation's, implementation of 11 existing agreements and 21 obligatory water and multilateral platforms], will be given as an X. What is required to be implemented on the International Relations programme will be given as Y. The total of all 2022/23 International Relations programme is 34 and that constitute 75% $y\% = {}^{X}/_{y} * 100$
Means of verification	Signed Agreement, MoU's, reports and attendance registers
Assumptions	Signed summary notes
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	75% implementation of 2022/23 annual International Relations programme
Indicator responsibility	Provincial and International Coordination

PPI No 1.6.1: Percentage implementation of the 2022/2023 Annual Stakeholder Management and Partnership Programme implemented

Indicator title	Percentage implementation of the 2022/2023 Annual Stakeholder Management and Partnership Programme implemented
Definition	The ability to establish and sustain stakeholder engagements and partnerships with the sector with the view to provide progress on projects and feedback to communities on projects including mega projects implemented by the department and also be able to develop and implement action plans with sector partners
Source of data	Attendance Registers, minutes and reports from stakeholders and partnership meetings
Method of Calculation/ Assessment	If the number of implemented IGR Activities(i.e. project meetings, and partnership meetings) is given the value "x" and the total number of IGR activities (i.e. project stakeholder engagements and partnership meetings) is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	The document verification includes: • High level IGR and Community feedback meetings on projects and project stakeholder engagement reports • Quarterly reports on implementation of the Partnership programme
Assumptions	• The assumption is that project stakeholder engagements will take place and communities will be empowered and updated on projects being implemented by the department for enhanced service delivery • The assumption is that new partnerships will be established and more partners will have interest to collaborate with the department to address water security concerns and further advise the department on policy issues. The assumption is that old partnerships will be sustained to provide a platform for the department and the sector to discuss issues of mutual concern, this platform will enable the department to present its programme to the sector for it to understand and support work done by the department
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	95% implementation of the Annual Project Stakeholder Engagements and Partnership Programme
Indicator responsibility	Provincial and International Coordination

PROGRAMME 2: WATER RESOURCES MANAGEMENT

PPI No 2.1.1: Number of river systems with water resource classes and determined resource quality objectives

Indicator title	Number of river systems with water resource classes and determined resource quality objectives
Definition	This measures the number of river systems with water resource classes and determined resource quality objectives that provide the status of water quality and quantity, the habitat and biota characteristics of the river.
Source of data	Water resource databases supported by water resource classes gazettes and published resource quality objectives
Method of Calculation/ Assessment	This will be the gazetted water resource classes and resource quality objectives for the following river system: Thukela
Means of verification	Final gazette
Assumptions	Addressing concerns from stakeholder during the study may delay the finalisation of the study
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	1 (Final legal notice for Thukela)
Indicator responsibility	Water Ecosystems Management

PPI 2.1.2 Number of river systems monitored for the implementation of resource directed measures

Indicator title	Number of river systems monitored for the implementation of resource directed measures
Definition	This monitors the river systems in which resource directed measures have been implemented
Source of data	Data will be obtained from the various monitoring systems in place of which the water management system will be the main source
Method of Calculation/ Assessment	The river systems in which RDMs are implemented will be monitored and assessed against the desired water quality outcomes of the individual systems
Means of verification	Information obtained from the various monitoring programs will be compared
Assumptions	The budget from Head and Regional Offices as allocated will remain stable; manageable staff turn-over and stable climate conditions
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	4 river systems monitored • Letaba; • Vaal (Upper, Middle & Lower); • Olifants Doorn; • Inkomati-Usutu; River Systems
Indicator responsibility	Water Resources Regulation

PPI No 2.1.3: Number of rivers in which the River Eco-status Monitoring Programme is implemented

Indicator title	Number of rivers in which the River Eco-status Monitoring Programme is implemented
Definition	This monitors the number of river systems in which the system's ecological health is measured through the implementation of the River Eco-status Monitoring Programme
Source of data	A database of river eco-status indicators is maintained.
Method of Calculation/ Assessment	This will be the number of river systems as specified
Means of verification	Forms filled in, in the field when conducting monitoring of the river systems.
Assumptions	Head office and regional budgets as allocated will remain stable, manageable staff turnover, stable climatic conditions
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	70 river systems in which the River Eco-status Monitoring Programme is implemented
Indicator responsibility	Water Resources Information and Management

PPI No 2.2.1: Number of catchment mitigation strategies and plans developed for mine water and wastewater treatment works

Indicator title	Number of catchment mitigation strategies and plans developed for mine water and wastewater treatment works
Definition	This will be the formulation of strategies to respond to mine water and/ or waste water (sewage) impacts in priority catchments with an emphasis on sulphate salinity and metals in mine water; and nutrients (nitrates and/ or phosphates and / or microbiological (coliform bacteria) indicators in waste water (sewage)
Source of data	GIS; catchment assessments and Green Drop reports/ water quality assessments
Method of calculation / Assessment	Mitigation strategies for • Upper Olifants • Limpopo
Means of verification	Site visit reports and/ or water quality data reports
Assumption	Reliable mine data and water quality monitoring in place
Disaggregation of beneficiaries (where applicable	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non- Cumulative
Reporting cycle	Quarterly
Desired performance	2 (Upper Olifants and Limpopo)
Indicator responsibility	Water Resources Regulation

PPI No: 2.2.2 Number of catchment plans implemented for mine water and waste water management

Indicator title	Number of catchment plans implemented for mine water and waste water management
Definition	This will be the application of interventions to deal with mine water and/ or waste water (sewage) impacts in priority catchments
Source of data	Catchment assessments and Green Drop reports/ water quality assessments
Method of calculation / Assessment	Implementation Plan for Orange and Mzimvubu-Tsitsikamma
Means of verification	Site visit reports and/ or water quality data reports
Assumption	Reliable water quality data and monitoring systems in place
Disaggregation of beneficiaries (where applicable	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	2 • Orange and • Mzimvubu-Tsitsikamma
Indicator responsibility	Water Resources Regulation

PPI No 2.2.3: Waste Discharge Charge System (WDCS) piloted country wide

Indicator title	Waste Discharge Charge System (WDCS) piloted country wide
Definition	To update the WDCS Strategy
Source of data	WMS and WARMS
Method of calculation / Assessment	• Update the WDCS Strategy • Consult Internal and project steering committee; and external stakeholders
Means of verification	Verify by means of alignment with the Pricing Strategy
Assumption	Data on WARMS database
Disaggregation of beneficiaries (where applicable	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Final draft WDCS Strategy
Indicator responsibility	Water Resources Regulation

PPI No 3.1.1: National Water and Sanitation Master Plan (NWSMP) updated

<table>
<tr><th>Indicator title</th><th>National Water and Sanitation Master Plan (NWSMP) updated</th></tr>
<tr><td>Definition</td><td>The indicator monitors and evaluates the implementation and updating of the National Water and Sanitation Master Plan (NWSMP)</td></tr>
<tr><td>Source of data</td><td>The data source will cover the core elements of the master plan. Water use information is collected from various stakeholders including Government Departments, Catchment Management Agencies, River Basin Organisations, co-basin states, Water Entities affiliated with the Department responsible for water and sanitation, sector groups, Private Companies, Associations and Non-Profit Organisations. The representative groups/samples include some of the following:
<table>
<tr><th>No</th><th>Elements</th><th>Sources of Data</th></tr>
<tr><td>1</td><td colspan="2">Water and Sanitation Management</td></tr>
<tr><td>1.1</td><td>Reducing Demand and Increasing Supply</td><td>• District municipalities (DMs) water and sanitation services master plans,
• National Water Resource Infrastructure strategy
• Water Services Development Plans
• Sector water plans
• Groundwater strategy</td></tr>
<tr><td>1.2</td><td>Redistribution for Transformation</td><td>• DWS and CMAs for water allocations, Validation and verification reports, Compulsory Licencing processes</td></tr>
<tr><td>1.3</td><td>Managing Effective Water Services and Sanitation</td><td>• District municipalities (DMs) water and sanitation services master plans,
• National Water Resource Infrastructure strategy
• Water Services Development Plans</td></tr>
<tr><td>1.4</td><td>Regulating Water and Sanitation</td><td>• DWS, District Municipalities, Metros (Water and sanitation policies, strategies, regulations)
• SALGA</td></tr>
<tr><td>1.5</td><td>Improving Raw Water Quality</td><td>• DWS, (Ecosystem plans encompassing Classification of water resources, Resource quality objectives and Environmental flows, Integrated Water Quality Management Plans, Water use authorisations, Water quality monitoring reports, e.g. Blue/Green/No drop reports)
• SANBI</td></tr>
<tr><td>1.6</td><td>Protecting and Restoring Ecological Infrastructure</td><td>• DWS, DEA, SANBI (Environmental Authorisations, Record of implementation Decisions, Declarations and Gazettes for Protected areas)</td></tr>
<tr><td>2</td><td colspan="2">Enabling Environment</td></tr>
<tr><td>2.1</td><td>Creating Effective Institutions</td><td>• Government gazettes,
• Directives at various levels
• Registry of Water User Associations
• SALGA</td></tr>
<tr><td>2.2</td><td>Managing Data and Information</td><td>• DWS data repositories (Data and information management strategy documents)
• South African Weather Service (SAWs)</td></tr>
<tr><td>2.3</td><td>Building Capacity for Action</td><td>• Metros, Government Departments, District Municipalities, Local Municipalities, (Annual reports of National, Provincial
• Sector Education and Training Authorities (SETAs)
• Professional Registration Bodies (ECSA, SACNASP, etc.)
• Further Education and Training institutions
• Higher Education and Training institutions</td></tr>
</table>
</td></tr>
</table>

Indicator title	National Water and Sanitation Master Plan (NWSMP) updated
Method of calculation/ assessment	The process involves standard methods of monitoring and evaluation, where indicators are developed for each element to suit the data type. The methods of calculation include counts of interventions and /or projects, volumes of water, review of the various source documents to trace indicators, counts of infrastructure, calculation of volumes water saved, re-allocated. Reports will be generated on a quarterly and annual basis to record progress with the implementation of the master plan and at intervals of 5-years, an updated master plan will be produced.
Means of verification	• The document verification includes: • Government gazettes • Technical reports produced • Minutes of stakeholder's meetings • Adopted strategies reflect in Provincial Plans, IDPs and WSDPs of Metros, District and Local Municipalities that are water services providers, and relevant DWS units • Over the long term, implemented interventions • Water security
Assumptions	• Role players will allocate budgets for the interventions • Stakeholders will participate in the study • Resources (Human, finance) and expertise available to undertake studies • Supporting policies in place
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Annual status on the implementation of the National Water and Sanitation Master Plan (NW&SMP) produced
Indicator responsibility	Integrated Water Resource Planning

PPI:3.1.2: Number of reconciliation strategies completed for various systems (WSS)

Indicator title	Number of reconciliation strategies completed for various systems (WSS)
Definition	This indicator monitors the continuation /updating of the existing reconciliation strategies to ensure that the previously identified future water requirements reconcile with the available water resources.
Source of data	To model the different scenarios for the areas, data is collected from various water resources databases including but not limited to DWS data sources like WMS, HYDSTRA, and NIWIS. In addition, information is collected from various water user stakeholders including but not limited to Departments of Environmental Affairs, Cooperative Governance and Traditional Affairs, Agriculture, Forestry and Fisheries, District and Local Municipalities, organised agriculture (irrigation boards, unions), various mines and industries, relevant parastatals (e.g. SANParks – KNP, Eskom), community representatives organisations such as rate payers organisations, civil society (NGOs, CBOs), specialists and forums.
Method of calculation/ assessment	The count of reconciliation strategies developed. The studies run over 3 years, with a final report issued in the final year of the study. Study progress and outputs staggered over the years of the study The count starts with the current on-going studies
Means of verification	Completed report
Assumptions	Funds allocated for the study is available and ready to be used as per contract signed with psp
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	0 (Annual status on the monitoring of reconciliation strategies for Mgeni, Amathole, Orange and Crocidile West produced)
Indicator responsibility	Integrated Water Resource Planning

PPI: 3.1.3: Number of operating rules and specialist strategy studies completed annually for various water supply systems

Indicator title	Number of operating rules and specialist strategy studies completed annually for various water supply systems
Definition	Annual Operating Rules (AOR) are plans for reconciling annual water availability with requirement schedules of given system over the next water year period - in this case for 9 systems namely; Vaal, Western Cape ; Mgeni , Algoa , Amathole, Crocodile West , Polokwane, Orange and Olifants water supply systems.
Source of data	To conduct the operating analyses for the dams/schemes, data is collected from various water resources databases including but not limited to WARMS, HYDSTRA. In addition, information is collected from various stakeholders including but not limited to Departments of Traditional Affairs, Agriculture, Forestry and Fisheries, district and local municipalities, Water Users Associations, Catchment Management Agencies, Water boards, mines and industries, relevant parastatals (e.g. Eskom), community representatives' organisations such as water committees and forums.
Method of Calculation/ Assessment	a) The final number of systems with AOR adding up to 9, each with the following components: • Water requirement schedules for each system • Water storage levels and availability (from rivers, dams and groundwater) • Annual Operating Rules for each system • Institutional arrangements in the form of a forum for stakeholders to participate in operational decision making. • Monitoring system to measure performance of the schemes b) The Annual National Systems Performance Report
Means of verification	• The portfolio of evidence required to verify the validity of data • Report on 9 bulk water schemes with 2022 AOR • Annual National Systems Performance Report
Assumptions	Factors that are accepted as true and certain to happen without proof Stakeholders cooperation to provide their projected water requirements for the hydrological year
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Annual Operating Rules for 9 large water supply systems (Vaal , Western Cape, Mgeni , Algoa, Amathole , Crocodile West , Polokwane , Orange and Olifants WSS)
Indicator responsibility	Integrated Water Resource Planning

PPI: 3.1.4: Number of updates climate change for Risk and Vulnerability Assessments completed annually for various water supply systems

Indicator title	Number of updates for climate change Risk and Vulnerability Assessments completed annually for various water supply systems
Definition	This indicator updates the climate change projections that are further downscaled per WMA. The downscaled projections are further applied to risk and vulnerability assessments to evaluate climate change related impacts and develop adaptation options as appropriate.
Source of data	Regionally downscaled climate model projections as per the IPCC, relevant previous studies and other baseline information from risk and vulnerability assessments. The assessment, information is collected from various sources including but not limited to Reconciliation Strategies, ORASECOM studies, Long Term Adaptation Scenarios Report, NIWIS datasets, Regional Offices of Water and Sanitation, Provincial Department especially Agriculture and Environmental Affairs, Forum meetings, review of journal articles, and site visits to identify existing conditions.
Method of calculation/ assessment	By the end of the second quarter 50% of the work will be completed. This is a report that will be dealing with the analysis of the new climate change projections. In the third quarter, the report will be on the downscaled projections. while the rest will be completed by the end of the financial year The final deliverable for the financial year will be a Report on the update of climate change projections and downscaling.
Means of verification	Produce a report every quarter as part of PoE
Assumptions	Climate change is happening and the water sector will be impacted upon severely by the impacts of climate change
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	0 (Status quo climate change scenarios for the water sector assessed)
Indicator responsibility	National Water Resource Planning

PPI No 3.1.5: Number of completed Record of Implementation Decisions (RID) for bulk raw water planning projects

Indicator title	Number of completed Record of Implementation Decisions (RID) for bulk raw water planning projects
Definition	This monitors the number of bulk raw water projects under the planning stage with completed Record of Implementation Decisions (RID)
Source of data	The existence of a Record of Implementation decision
Method of calculation/ assessment	These will be the completed Record of Implementation Decisions (RID) for bulk raw water planning projects
Means of verification	A signed RID report for each relevant study
Assumptions	Accuracy of data from the sector and cooperation of affected stakeholders
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Annual during the year of target delivery
Desired performance	0 (Annual Status on the Environmental Impact Assessment Study of Clanwilliam Bulk Conveyance Infrastructure produced and Annual Status on the Environmental Impact Assessment Study of Lower Coemey Balancing Dam produced)
Indicator responsibility	Integrated Water Resource Planning

PPI No 3.2.1: Number of water resources monitoring programmes reviewed and maintained

Indicator title	Number of water resources monitoring programmes reviewed and maintained
Definition	A report on the number of water resources monitoring programmes that have been reviewed and maintained with the objectives and schedules for the maintenance of monitoring networks achieved and recommendations for improvement as part of the hydrological inputs towards an overview of the state of water in South Africa with interpreted and recommended actions.
Source of data	DWS databases and systems, reports, South Africa Weather Services, surface and ground water flow records, status of dams and the report on Hydrological Extremes (droughts and floods) network review and maintenance reports from DWS Regions as well as from other water-sector data users and related Institutions
Method of calculation/ assessment	Number of monitoring programmes with available final reports ; that will include interpreted, assessed data/ information, formalised recommendations for action to be taken and its distribution
Means of verification	Quarterly report on the number of water resources monitoring programmes that have been reviewed and maintained
Assumptions	The budget as allocated will remain stable, manageable staff turnover, stable climatic conditions
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	5 • Groundwater (GW), • Surface Water (SW) • National Chemical (NCMP) • National Eutrophication (NEMP) • National Microbial (NMMP)
Indicator responsibility	Water Resources Information and Management

PPI: 3.2.2 Number of Water and Sanitation information systems maintained

Indicator title	Number of Water and Sanitation information systems maintained
Definition	This indicator will be used to monitor the number of major computerised information systems successfully developed and maintained to the prescribed operational requirement with at least 95% system availability per month. It measures the operational status of the six water information systems and the provision of water information (quantity and quality) by the DWS National Information Systems.
Source of data	The flow and flood information products are required for the safe and effective operation of major water infrastructure in order to inform water supply and to support flood management. In order to achieve that, the Information Systems is maintained and operated daily, and this is made possible by the IT Service Provider engaged through service level agreements managed through the Office of the CIO. This indicator monitors compliance with the SLA. Data will be obtained from the portfolio managers and processed through each information system (HYDSTRA, National Groundwater Information system, Water Management System, Flood management Systems on if the i) development project is on track, and ii) system was operational for more than the minimum required period per month. (Minor developments to be done within the ambit of the SLA. NIWIS imports data from various existing DWS legacy systems as well as from the N-drive for unstructured (Excel spread sheets) sources. The GIS import data from Existing Data sets, spatial data, RS, aerial photography data, field data as well as data sourced from external stakeholders and private sector. The operation of the FMS is dependent on real-time river flow and rainfall data collected through DWS monitoring networks; and weather information (reports and forecasts) from the South African Weather Service and the MESA donated satellite based weather information receiver and processing workstation installed at Vaal Dam. Whether or not the system was operational or operated on a given weekday is determined by the availability of flow and flood information products on the Hydrology website and archives in HYDSTRA. System development and maintenance work is captured in plans and deliverables which are signed-off monthly.
Method of calculation/ assessment	Number of major information systems available and operational at not less than 95% of the time monthly; as well as the signing-off; the planned maintenance activities and deliverables per system
Means of verification	Quarterly report on the number of major computerised information systems successfully developed and maintained to the prescribed operational requirement
Assumptions	Departmental IT contract in place, IT infrastructure stable, the budget as allocated will remain stable, manageable staff turnover
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	6 • National Integrated Water Information System • Hydrological Information System • National Geohydrological Information System • Water Management System • Geographical Information System • Flood Monitoring and Forecasting System
Indicator responsibility	Water Resources Information and Management

PPI 3.2.3 National Digitised Integrated Water and Sanitation Monitoring System Implemented

Indicator title	National Digitised Integrated Water and Sanitation Monitoring System Implemented
Definition	The design of a national digitised integrated water monitoring system will consist of innovative water quantity and quality status measurement, data and information management (acquisition, real-time transmission, reception, processing, dissemination, archiving, etc.) and communication modules linking various components in the water and sanitation information management value chain
Source of data	Monitoring components across the water & sanitation value chain
Method of calculation/ assessment	Using business rules as per user requirements, system will manipulate monitored data
Means of verification	Report of work completed,
Assumptions	SCM processes are efficient, PSP with the right expertise is appointed
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non- Cumulative
Reporting cycle	Quarterly
Desired performance	Annual status for design of the National Digitised Integrated Water and Sanitation Monitoring System completed
Indicator responsibility	Water Resources Information and Management

PPI 3.3.1 Number of water resource gauging stations / weirs constructed

Indicator title	Number of water resource gauging stations / weirs constructed
Definition	The definitions are as follows: **1) Gauging station:** site on a stream, canal, lake, or reservoir where systematic observations of gauge height (water level) or discharge are obtained. From the continuous records obtained at these stations, hydrologists make predictions and decisions concerning water level, flood activity and control, navigation.[20] **2) Water quantity:** pattern, timing, water level and assurance of instream flow **3) Water quality:** chemical, physical, and biological characteristics of water bodies (i.e. rivers, dams, lakes, wetlands, estuaries and ground water)
Source of data	Data is collected directly from the gauging sites (stations) and stored in the databases The project data is obtained from weekly and monthly reports
Method of calculation/ assessment	• Numbers (of surface water monitoring sites) • The project is divided into smaller work packages called the work breakdown structure • Time calculations are done according to the resources allocated towards each work package; the complexity, risks, and unknowns of the work package will produce the production figures used (for instance excavating in the riverbed). • The project may have numerous workflows, but one workflow will be longer in duration than the rest and it the critical path. **The main work activities listed on the quarterly report are as follows:** **Excavation** include the storing of the material on stockpiles to be used later. The unit that excavation is measured in is m^3. **Earth fill** include the obtaining of material from stockpiles where material was stored previously. The unit that earth fill is measured in is m^3. **Reinforcing** include the installation of reinforcing steel bar required according to the design. The unit that shuttering is measured in is m^2 **Shuttering** includes the erection of formwork or “molds” to cast concrete in to construct the required structures. The unit that shuttering is measured in is m^2 **Concrete** includes the work done on the permanent structure of the weir. The unit that concrete is measured in is m^3.
Means of verification	• On-site (local) inspections • Progress meetings
Assumptions	• High flows in rivers may cause delays on site. • Problems may be experienced with supply chain to obtain material in time on site, etc. • Problems may be experienced with environmental approvals and inspections. • Problems may be experienced to obtain approvals to conduct the required site inspections on at least monthly basis • COVID - 19
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	1 (Bavaria Gauging station)
Indicator responsibility	Water Resources Information and Management

[20] *Source: https://www.britannica.com/science/gauging-station*

PPI 3.3.2 Number of water resource gauging stations / weirs refurbished

Indicator title	Number of water resource gauging stations / weirs refurbished
Definition	The definitions are as follows: **1) Gauging station:** site on a stream, canal, lake, or reservoir where systematic observations of gauge height (water level) or discharge are obtained. From the continuous records obtained at these stations, hydrologists make predictions and decisions concerning water level, flood activity and control, navigation. **2) Water quantity**: pattern, timing, water level and assurance of instream flow **3) Water quality**: chemical, physical, and biological characteristics of water bodies (i.e. rivers, dams, lakes, wetlands, estuaries and ground water)
Source of data	Data is collected directly from the gauging sites (stations) and stored in the databases
Method of Calculation/ Assessment	Numbers (of surface water monitoring sites)
Means of verification	• On-site (local) inspections
Assumptions	• High flows in rivers may cause delays on site. • Problems may be experienced with supply chain to obtain material in time on site, etc. • Problems may be experienced with environmental approvals and inspections. • Problems may be experienced to obtain approvals to conduct the required site inspections on at least monthly basis
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	0
Indicator responsibility	Water Resources Information and Management

PPI No 3.4.1: Number of bulk raw water projects in preparation for implementation

Indicator title	Number of bulk raw water projects in the preparation for implementation
Definition	This monitors the number of bulk raw water projects in the preparation for implementation for the construction phase within a given financial year.
Source of data	The following needs to be in place for a project to be considered in the preparation for implementation: Record of Implementation Decisions, Environmental Authorisation, Funding arrangements, Institutional arrangements, Regulatory licences (licence-to-construct, WUL, mining permit, etc.), Access to land, Engineering designs, Tender documentation and Appointment of service providers
Method of calculation/ assessment	The following projects will be in the preparation for implementation: • Nwamitwa Dam • Lusikisiki Regional Water Supply Scheme: Zalu Dam • Coerney Dam • Foxwood Dam
Means of verification	Documents detailing the various aspects of the project's readiness for implementation.
Assumptions	Availability of the requisite financial, technical, institutional and human resources to support optimal project performance.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	4 bulk raw water projects in the preparation for implementation
Indicator responsibility	Water Resources Information and Management

PPI No 3.4.2: Number of bulk raw water projects under construction

Indicator title	Number of bulk raw water projects under construction
Definition	This monitors the number of bulk raw water projects that are under construction within a given financial year.
Source of data	A number of progress reports, compliance monitoring and performance audit reports, and minutes of meetings (including photographic evidence) are compiled to track projects during construction phase.
Method of calculation/ assessment	The following projects will be under construction: • Tzaneen Dam • Hazelmere Dam • Clanwilliam Dam • Mzimvubu Water Project : (Stage 1 Advance Works)
Means of verification	Documents detailing project performance during construction.
Assumptions	Availability of the requisite financial, technical, institutional and human resources to support optimal project performance.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	4 bulk raw water projects under construction
Indicator responsibility	Water Resources Infrastructure Management

PPI No 3.4.3: Number of bulk raw water projects completed

Indicator title	Number of bulk raw water projects completed
Definition	This monitors the number of bulk raw water projects completed within a given financial year.
Source of data	• Completion certificates • Taking-over certificates • Project close-out reports
Method of calculation/ assessment	Hazelmere Dam
Means of verification	Documents detailing the completion of the project.
Assumptions	Availability of the requisite financial, technical, institutional and human resources to facilitate project completion.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	1 (Hazelmere Dam)
Indicator responsibility	Water Resources Infrastructure Management

PPI No 3.5.1: Percentage scheduled maintenance projects completed as a proportion of planned maintenance projects

Indicator title	Percentage scheduled maintenance projects completed as a proportion of planned maintenance projects
Definition	This measures the extent in which the department complies with its planned infrastructure assets maintenance (i.e. civil, electrical and mechanical) as per the asset management plan.
Source of data	AMP aligned Maintenance Plan for the financial year
Method of calculation/ assessment	If the number of completed planned maintenance projects is given the value "x" and the annual number of planned maintenance projects in the AMP is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	The portfolio of evidence ; Completion Certificates
Assumptions	Capacity successfully sourced via maintenance Term Contractors. Technical Positions Files; and Adequate Budget
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	50%
Indicator responsibility	Water Resources Infrastructure Management

PPI No 3.5.2: Percentage unscheduled maintenance projects completed as a proportion of planned maintenance projects

Indicator title	Percentage unscheduled maintenance projects completed as a proportion of planned maintenance projects
Definition	This measures the proportion of unplanned or unscheduled maintenance projects against the planned maintenance projects defined in the AMP, with a view to decrease it over time as the benefits of the planned maintenance schedule are realised.
Source of data	AMP aligned Maintenance Plan for the financial year
Method of calculation/ assessment	If the number of completed unplanned maintenance projects is given the value "x" and the annual number of planned maintenance projects in the AMP is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$
Means of verification	The portfolio of evidence ; Completion Certificates
Assumptions	Capacity successfully sourced via maintenance Term Contractors. Technical Positions Files; and Adequate Budget
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	≤30%
Indicator responsibility	Water Resources Infrastructure Management

PPI No 3.5.3: Number of dam safety evaluations completed

Indicator title	Number of dam safety evaluations completed
Definition	This monitors the number of dams evaluations completed for safety in accordance to the National Water Act, Chapter 12 within a given financial year through the implementation of the dam safety evaluation programme.
Source of data	Previous evaluation reports, site inspections, instrumentations data etc.
Method of calculation / assessment	The following project will be completed: • HK Balancing, Botlokwa, Vaalkop No.Ii, Spitskopkraal, Tierkloof, Wriggleswade , Waterdown, Laing, Egmont, Armenia, Welbedacht, Rust De Winter, Spring Grove, Wagendrift, Modjadji, Nooitgedacht, Buffelskloof, Heyshope, Mundts Concession, Klein Maricopoort, Vaalkop, Koster, Hartbeeskuil, Gamkapoort and Theewaterskloof Dams
Means of verification	Progress Reports
Assumptions	Safety monitoring of dams ensures compliance with Chapter 12 of the National Water Act, 1998
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	25 dams safety evaluation reports
Indicator responsibility	Deputy Director-General: Infrastructure Management

PPI No 3.5.4: Number of dam safety rehabilitation projects completed

Indicator title	Number of dam safety rehabilitation projects completed
Definition	This monitors the number of dam safety rehabilitation projects completed within a given financial year through the implementation of the dam safety rehabilitation programme.
Source of data	When all project construction is finalized the project is handed over for operations and maintenance to deliver water to the targeted recipients. The hand over certificates for completed projects will be kept.
Method of calculation/ assessment	The following project will be completed: • Nkadimeng Dam • Marico Bosveld Dam
Means of verification	Completion certificates
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	2 dams safety rehabilitation projects completed
Indicator responsibility	Water Resources Infrastructure Management

PPI No 3.5.5: Number of kilometres of conveyance systems rehabilitated per annum

Indicator title	Number of kilometres of conveyance systems rehabilitated per annum
Definition	This monitors the rehabilitation of water conveyance systems that were identified to be in a state of disrepair.
Source of data	A list of all water conveyance projects (i.e. sections) is maintained and completion reports on maintenance projects by project manager.
Method of calculation/ Assessment	Number of kilometres of conveyance systems that have been rehabilitated during the financial year
Means of verification	Progress Reports
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	6km of conveyance systems rehabilitated per annum
Indicator responsibility	Water Resources Infrastructure Management

PPI No 3.6.1: Percentage adherence to water supply agreements/ authorisations and operating rules (Water resource operations)

Indicator title	Percentage adherence to water supply agreements/ authorisations and operating rules (water resource operations)
Definition	To measure to operational functionality of the National Water Resource Infrastructure its adherence to bulk water agreements.
Source of data	Water Release Reports per Government Water Scheme (GWS), Recording keeping of Water Control Officers. These also include electronic system generated reports where such systems are implemented
Method of calculation/ assessment	Percentage Adherence to Water Supply Agreements/ Authorisations and Operating Rules
Means of verification	The portfolio of evidence : Completion Certificates
Assumptions	Capacity successfully sourced via maintenance Term Contractors. Technical Positions Filled; and Adequate Budget
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	80%
Indicator responsibility	Water Resources Infrastructure Management

PPI No 5.1.1 National Water Act Amendment Bill developed

Indicator title	National Water Act Amendment Bill developed
Definition	This indicator ensures integrated water resources management and protection
Source of data	Water Quality Research reports, DWS regulatory reports, national, regional and international Policies, Stakeholder Consultations
Method of calculation/ assessment	• Concurrency amongst key government departments and stakeholders buy in. • Support obtained through the process of tabling the policy to Cluster (TWG,SPCHD & ESEID) • Successful facilitation the process of Draft Integrated Water Quality Management Policy approval for Gazetting.
Means of verification	The document verification includes: • Draft Integrated Water Quality Management Policy • Gazette notice of the Draft Policy for public consultations • Comments register • Updated SEIAS reports • Top Management and Ministers submissions • Cabinet Memorandum
Assumptions	• The delegated officials will review and sign off the respective document within the required timelines • Stakeholders buy in and support of the draft policy • Government departments occurrence in their roles with respect to ensure good water quality as proposed by the draft policy.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Monthly
Desired performance	Submit National Water Amendment Bill to cabinet for approval
Indicator responsibility	Water Resources Policy & Strategy

PPI No 5.1.2: National Water Resources Strategy Edition 3 (NWRS-3) developed

Indicator title	National Water Resources Strategy Edition 3 (NWRS-3) developed
Definition	NWRS is the framework for the management of the National Water Resources as required by the National water Act (NWA) to ensure the integration of the full value chain of water resources.
Source of data	Assessment of the NWRS implementation and consultation workshops with various stakeholders
Method of calculation/ assessment	Through annual progress reported by the water sector and departmental chapter leaders
Means of verification	Minutes and attendance register
Assumptions	The consultations with Sector through establish forums, the task team meeting provides platform for discussion and inputs to be collated to the actual documents.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	NWRS-3 submitted to Cabinet for approval
Indicator responsibility	Water Resources Policy & Strategy

PPI No 5.1.3: Raw water charges developed

Indicator title	Raw water charges developed
Definition	This measures the determination of Raw Water Charges that are done in compliance to the approved pricing strategy
Source of data	Pricing Strategy; Norms and Standards and previous year's approved charges and tariffs
Method of calculation / assessment	Raw Water Charges approved by Minister and published on departmental website, Bulk Water Tariff tabled in Parliament and letters to Water Boards signed by Minister
Means of verification	Submission for Raw Water Charges approved by Minister and published on departmental website
Assumption	Stakeholder participation on consultations on proposed tariffs
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	2023/24 raw water charges developed
Indicator responsibility	Water Resources Regulation

PPI No 5.1.4: Percentage of applications for water use authorisation finalised within applicable period

Indicator title	Percentage of applications for water use authorisation finalised within applicable period
Definition	This monitors the extent to which the department finalise applications for water authorisations within the applicable 90 calendar days of receipt of a complete application.
Source of data	A list of water use licence applications is maintained
Method of calculation/ assessment	If the actual number of applications for water use authorisation finalized within the applicable period is provided the value "x" and the total number of received applications acknowledged as complete that should be finalized within the applicable period is given the value "y" the formula is as follows: $y\% = {}^{x}/_{y} * 100$ Water use authorisation applications received from 06 January 2022 to 14 December 2022 form part of the reporting cycle. Water use authorisation applications (new applications submitted in the current financial year) finalised within applicable period outside the cycle above are included as x. Exclusion: The period 15 December to 05 January in any given financial year is excluded from the applicable number of days as the department is inactive.
Means of verification	Application forms or proof of payment or acknowledgement letter of application, and decision document i.e. water use licence, decline letter, withdrawal letter, closure letter and confirmation of a general authorisation or schedule 1.
Assumption	Acknowledgement letter of application, and decision document
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	80%of complete applications for water use authorisation finalised within applicable period
Indicator responsibility	Water Resources Regulation

PI No 5.1.5: Number of water users monitored for compliance

Indicator title	Number of water users monitored for compliance
Definition	This monitors the compliance of water users (within the public, mining, industrial, agricultural and forestry sectors) with legislation, standards, water use entitlements and regulations.
Source of data	Water use entitlements and compliance inspection reports with score card completed and uploaded on NCIMS (National Compliance Information Management System). Compliance inspection reports are either full audit, partial audit or follow-up audit reports and these reports must be completed as per NCIMS template and should include the copy of authorization, score sheet (number of conditions complied or not complied to calculate % compliance). 1) Full audit – All the conditions are audited from authorization. 2) Partial audit – Just specific conditions are audited from an authorization. 3) Follow-up audit – Facilities audit, follow-up can take different forms including follow-up site visits to check whether recommendations/ findings have been implemented
Method of calculation / Assessment	This is the actual number of water user's compliance evaluations conducted within the financial year. Though specific water users are targeted, operational needs may see deviations from water users selected for inspection (i.e. substitutions)
Means of verification	Compliance inspection reports on NCIMS. Compliance verification against conditions of authorisation.
Assumption	Data completeness and access to water user's information
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	379 water users monitored for compliance
Indicator responsibility	Water Resources Regulation

PPI No 5.1.6: Percentage of reported non-compliant cases investigated

Indicator title	Percentage of reported non-compliant cases investigated
Definition	This monitors the actions taken by the Department to control unlawful water uses through criminal, civil or administrative enforcement.
Source/ collection of data	Cases reported to DWS, Water use authorisations and monitoring results. Inspection reports; Validation and verification process; Site visits by DWS officials and ECMS data
Method of calculation / assessment	If the number of reported cases is given the value "x" and the number of investigated cases is given the value ÿ" the formula is as follows: $y\%=^{x}/_{y}*100$
Means of verification	Investigation reports
Assumption	All water users are treated equally and fairly
Disaggregation of beneficiaries	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	80% of reported non-compliant cases investigated
Indicator responsibility	Water Resources Regulation

PPI No 5.1.7: Water Research Commission (WRC) levy approved

Indicator Title	Water Research Commission (WRC) levy approved
Definition	This measures the determination of Water Research commission Levy in accordance to Water Research legislation and Pricing Strategy
Source/ collection of data	Water Research commission tariff proposal, Annual Reports
Method of calculation / Assessment	Approved and gazetted Water Research Levy for the 2022/23 financial year
Means of verification	Gazette notice on approved Water Research Levy for 2022/223 financial year
Assumption	Stakeholder participation on consultations on proposed levy
Disaggregation of beneficiaries	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	2022/23 Water Research Commission (WRC) levy developed
Indicator responsibility	Water Resources Regulation

PPI No 5.1.8: Number of wastewater systems assessed for compliance with the Green Drop Regulatory requirements

Indicator title	Number of wastewater systems assessed for compliance with the Green Drop Regulatory requirements
Definition	This assesses the performance of wastewater systems owned or managed by water service institutions against the relevant legislations and best practice requirements that have been defined in the Green Drop regulatory requirements
Source of data	Water services database (IRIS), WSA documents
Method of calculation / assessment	This will be the number of wastewater systems assessed as specified.
Means of verification	Scorecards
Assumption	Data and documents from water services authorities including consultations with WSAs
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Annual
Desired performance	0
Indicator responsibility	Water Resources Regulation

PPI No 5.1.9: Number of wastewater systems monitored against the Regulatory requirements

Indicator title	Number of wastewater systems monitored against the Regulatory requirements
Short definition	This is the monitoring of the wastewater systems owned or managed by water service institutions that were found to be non-compliant.
Source of data	Green Drop system and reports
Method of calculation / assessment	This will be the number of wastewater systems monitored as specified.
Means of verification	Monitoring reports
Assumption	Consultations with water services authorities and site visits
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	408 Wastewater systems monitored against the regulatory requirements
Indicator responsibility	Water Resources Regulation

PPI No 6.1.1: Regulation for advancement of water allocation reform finalised

Indicator title	Regulation for advancement of water allocation reform finalised
Definition	This indicator monitors the process of developing the Regulations for the Water Allocation Reform.
Source of data	National Water Act and National Water Resources Strategy II
Method of calculation/ assessment	First Draft Regulations Approved for Internal Consultation; Internal Consultation Schedule and Minutes of Regional Consultations, Second Draft Regulations Approved for Public Comments and Government Gazette of the Draft Regulations for Public Comments.
Means of verification	Approved Submissions /Report
Assumption	National Water Act 36 of 1998 Reviewed/ amended to enable the development of the Regulations
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Draft Regulation published for public comments
Indicator responsibility	Water Resources Regulation

PPI No 6.2.1: Performance of water resource institutions evaluated against their performance plans

Indicator title	Performance of water resource institutions evaluated against their performance plans
Definition	This monitors the assessments of performance of institutions(2 CMAs, TCTA and WRC) against their Shareholder Compacts, Corporate Plans, Annual Performance Plans, Annual Reports and Quarterly Reports as required by the legislation (PFMA)
Source of data	Submitted plans/reports from entities
Method of calculation/ assessment	Number of performance assessments/appraisals conducted
Means of verification	Performance assessments/appraisals
Assumption	Submission of all plans/reports
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Annual assessment of performance plans, annual and quarterly reports for for 2 CMAs, TCTA and WRC
Indicator responsibility	Water Resources Institutional Oversight

PPI No 6.2.2: Number of Catchment Management Agencies gazetted for establishment

Indicator title	Number of Catchment Management Agencies gazetted for establishment
Definition	This indicator monitors the process of establishing that will assist in the management of water resources at catchment level and enhance stakeholder participation.
Source of data	An approved business plan for the establishment of 9 CMAs
Method of calculation/ assessment	This will be the actual CMAs gazetted for establishment within the financial year
Means of verification	An approved business plan for the establishment of 9 CMA's
Assumption	Business plans
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	(1) Mzimvubu-Tsitsikamma (Gazette for CMA establishment submitted to the accounting officer for approval)
Indicator responsibility	Water Resources Institutional Oversight

PPI No 6.2.3: National Water Resources Infrastructure Agency gazetted for establishment

Indicator title	National Water Resources Infrastructure Agency gazetted for establishment
Definition	This indicator monitors the process of developing institutional arrangements for the establishment of a National Water Resource and services Agency
Source of data	Final Business case and legislative report finalised and consultation for establishment of the Agency
Method of calculation / Assessment	The actual NWRIA Bill Bill drafted and consulted
Means of verification	Approved NWRIA Bill finalised
Assumption	Business case
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	NWRIA Bill finalised
Indicator responsibility	Water Resources Institutional Oversight

PPI No 6.2.4: Number of irrigation boards transformed into Water User Associations

Indicator title	Number of irrigation boards transformed into Water User Associations
Definition	This indicator monitors the progress of transforming Irrigation Boards into Water User Associations
Source of data	Proposals and constitutions of Irrigation boards to be transformed
Method of calculation/ assessment	The roadmap and implementation plans on the transformation of Irrigation Boards and the review of constitutions and proposals for the following Irrigation Boards
Means of verification	Review of progress and proposals
Assumption	Submission of all proposals/reports/minutes /status quo reports
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Transformation status of the 5 Irrigation Boards into Water User Associations submitted to the accounting officer • Tierport, • Klersdorp, • Pholela, • Letsitela and • Apies
Indicator responsibility	Water Resources Institutional Oversight

PPI No 6.2.5: Water economic regulator gazetted for established

Indicator title	Water economic regulator gazetted for established
Definition	This monitors the process for establishing a water regulator for the water sector
Source of data	Stakeholder comments, Second draft business case for establishment of water regulator
Method of calculation	Actual reports developed.
Means of verification	Actual Reports in place, Updated Business Case
Assumption	Mandate does not change
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Business Case for establishment of the regulator Version III developed
Indicator responsibility	Water Resources Regulation

PPI No 3.4.3.1 and 3.6.1.1 Number of job opportunities created through implementing augmentation infrastructure and operations of water resources projects

Indicator title	Number of job opportunities created through implementing augmentation infrastructure and operations of water resources projects
Definition	This monitors the number of direct job opportunities created through implementing augmentation infrastructure and operations of water resources projects.
Source of data	A list of all created job opportunities is maintained.
Method of calculation/ assessment	This will be the actual number of job opportunities created.
Means of verification	List of beneficiaries and copies of IDs
Assumptions	The infrastructure-built programmes contribute to the creation of work opportunities to provide short term relief for the unemployed.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	165
Indicator responsibility	Water Resources Infrastructure Management

PROGRAMME 3: WATER SERVICES MANAGEMENT

PPI No 3.7.1 Number of water conservation and water demand management strategies updated

Indicator title	Number of water conservation and water demand management strategies updated
Definition	The Water Conservation and Water Demand Management Strategy (ies) is a fundamental step in promoting water use efficiency. This is consistent with both the National Water Act 36 of 1998 and Water Services Act, Act 107 of 1997 which emphasize effective management of our water resources and conservation
Source of data	This indicator ensures that the WC/WDM strategies are updated to reflect the latest developments on WC/WDM
Method of calculation/ assessment	Information will be collected from literature review including the existing strategies, consultation with various water users and relevant Departments.
Means of verification	Coordination and consolidation of inputs from various water use sectors, attendance register of all the consultation
Assumptions	• Minutes and attendance registers • Progress reports, • Updated WC/WDM Strategies • 4 frameworks for WCWDM strategies • Development of the comments register and response matrix
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	4 Updated draft water conservation and water demand management strategies
Indicator responsibility	Water Services and Local Management:

PPI No 3.8.1: Number of large water supply systems assessed for water losses

Indicator title	Number of large water supply systems assessed for water losses
Definition	This monitors the assessment of water losses in 8 large priority water supply systems.
Source of data	Water conservation and demand management is a key component to the sustainable management of South Africa's scarce water resources and is a key strategic intervention to reconcile water requirements with water availability.
Method of calculation/ assessment	Targets for reducing water losses have been set for the major demand centres (e.g. metropolitan and major cities that are mostly the largest water users) within the 8 large water supply systems based on the Municipal Infrastructure Investment Framework (MIIF).
Means of verification	The portfolio of evidence required to verify the validity of data The IWA water balances received from municipalities will be used as portfolio of evidence for the water use and water losses within a particular municipality.
Assumptions	Factors that are accepted as true and certain to happen without proof For municipalities that are not able to populate the water balance and submit to the Department for analysis, The Department extrapolates the most possible water balance for such municipalities using the last possible data available
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative (Year-to-Date)
Reporting cycle	Annual
Desired performance	Water balance data and information collected from municipalities within the 8 large water supply systems [Integrated Vaal River System, Umgeni River, Croc-West River, Western Cape, Olifants River, Algoa,Amatole and Greater Bloemfontein WSSs
Indicator responsibility	Water Services and Local Management:

PPI No 3.8.2: Number of WSA's assessed for compliance with the requirements of the No Drop Regulatory Programme

Indicator title	Number of WSA's assessed for compliance with the requirements of the No Drop Regulatory Programme
Definition	This indicator monitors the compliance of all WSA's to the requirements set for the No Drop Regulatory programme and The No Drop programme is an incentive based regulatory Programme that seeks to draw focus and encourage progress and improvement in water use efficiency and water loss/ NRW management whilst improving security of water supply in the South African municipal sector
Source of data	NRW data spread sheets and the No Drop Scoresheets developed to collect water loss/Non- Revenue Water data and information. The spreadsheets and the scoresheets will be utilized to gather information from all the WSAs across the country
Method of calculation/ assessment	The standard IWA water balance will be the main source of information. For the respective terms the % will be additive and the breakdown will be as follows: • The updated water balance spreadsheets sent to municipalities to populate with their water use information • IWA Water Balance data collection, assessment and analysis of water balances, water losses/NRW - verification with municipalities and other relevant water users, updated provincial data base The draft Provincial water balances will be distributed to municipalities and other relevant water users for comments
Means of verification	Portfolio of evidence required to verify the validity of data and accuracy of scoresheet. IWA water balances received from municipalities submitted as portfolio of evidence for water use and water losses within a particular municipality. Annual IWA water balances from municipalities should be signed off by the delegated municipal Authority. Best available municipal water use and water loss trends
Assumptions	Factors that are accepted as true and certain without proof For municipalities that are not able to populate water balances and submit to the Department, the Department extrapolates the most possible water balance for such municipalities using the last possible data available.
Disaggregation of Beneficiaries (where applicable)	Not Applicable
Spatial transformation (where applicable)	Not Applicable
Calculation type	Cumulative
Reporting cycle	Annually
Desired performance	144 WSAs assessed
Indicator responsibility	Water Services and Local Management:

PPI No 3.9.1: Number of feasibility studies for water and wastewater services projects (RBIG) completed

Indicator title	Number of feasibility studies for water and wastewater services projects (RBIG) completed
Definition	This monitors the number of feasibility studies completed for water and wastewater services, water re-use and desalination projects funded through the regional bulk infrastructure
Source of data	To model different scenarios to address water/sanitation infrastructure delivery options. Data is collected from situational assessment studies and redesigned to address future scenarios relating to supply options.
Method of calculation/ assessment	This will be the number of feasibility studies as specified
Means of verification	Number of FS documents submitted
Assumptions	Approval of final FS document by Provincial Committee
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	8 Completed feasibility studies for water and wastewater services projects (RBIG)
Indicator responsibility	Water Services and Local Management:

PPI No 3.9.2: Number of implementation readiness studies for water and wastewater services projects (RBIG) completed

Indicator title	Number of implementation readiness studies for water and wastewater services projects (RBIG) completed
Definition	This monitors the number of implementation readiness studies completed for water and wastewater services, water re-use and desalination projects funded through the regional bulk infrastructure
Source of data	Preparation of planning phase compliances guided by feasibility recommendations to ensure implementation readiness relating to institutional, social, environmental and financial readiness
Method of calculation/ assessment	This will be the number of implementation readiness studies as specified
Means of verification	Number of draft IRS documents submitted
Assumptions	Approval of final IRS document by Provincial Committee
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly,
Desired performance	5 Completed implementation readiness studies
Indicator responsibility	Water Services and Local Management:

PPI No 3.9.3.1: Number of mega regional bulk infrastructure project phases under construction

Indicator title	Number of mega regional bulk infrastructure project phases under construction
Definition	This monitors the number of mega water and wastewater services project phases under construction within a given financial year implemented through the regional bulk infrastructure programme.
Source of data	Subsequent to the design phase the project construction starts with quarterly progress reports maintained.
Method of calculation/ assessment	This will be the mega regional bulk infrastructure project phases under construction as specified
Means of verification	Quarterly Evaluation reports/monthly progress reports
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	8 mega regional bulk infrastructure project phases under construction
Indicator responsibility	Regional Bulk Infrastructure Grant

PPI No 3.9.4.1: Number of mega regional bulk infrastructure project phases completed

Indicator Title	Number of mega regional bulk infrastructure projects phases completed
Definition	This monitors the number of mega water and wastewater services project phases completed within a given financial year implemented through the regional bulk infrastructure programme.
Source of data	When all project construction is finalized the project is handed over for operations and maintenance to deliver water to the targeted recipients. The practical completion certificates that indicate the projects are operating will be kept.
Method of calculation/ Assessment	This will be the large water and wastewater services projects under construction as specified : Vaal Gamagara bulk pipeline Phase 1 of 2
Means of verification	Practical Completion certificates
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	1 mega regional bulk infrastructure projects phases completed
Indicator responsibility	Regional Bulk Infrastructure Grant

PPI No 3.9.3.2: Number of large regional bulk infrastructure project phases under construction

Indicator title	Number of large regional infrastructure project phases under construction
Definition	This monitors the number of large water and wastewater services project phases under construction within a given financial year implemented through the regional bulk infrastructure programme.
Source of data	Subsequent to the design phase the project construction starts with quarterly progress reports maintained.
Method of calculation/ assessment	This will be the large water and wastewater services projects under construction as specified
Means of verification	Quarterly Evaluation reports/monthly progress reports
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	None
Spatial transformation (where applicable)	None
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	68 large regional infrastructure project phases under construction
Indicator responsibility	Regional Bulk Infrastructure Grant

PPI No 3.9.4.2: Number of large regional bulk infrastructure project phases completed

Indicator title	Number of large regional bulk infrastructure project phases completed
Definition	This monitors the number of large water and wastewater services project phases completed within a given financial year implemented through the regional bulk infrastructure programme.
Source of data	When all project construction is finalized the project is handed over for operations and maintenance to deliver water to the targeted recipients. The practical completion certificates that indicate the project is operating will be kept.
Method of calculation/ assessment	This will be the list as specified
Means of verification	Practical Completion certificates
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly,
Desired performance	13 large regional bulk infrastructure project phases completed
Indicator responsibility	Regional Bulk Infrastructure Grant

PPI No 3.9.3.3: Number of small regional bulk infrastructure project phases under construction

Indicator title	Number of small regional bulk infrastructure project phases under construction
Definition	This monitors the number of small water and wastewater services project phases under construction within a given financial year implemented through the through the regional bulk infrastructure programme
Source of data	Subsequent to the design phase the project construction starts with quarterly progress reports maintained.
Method of calculation/ assessment	This will be the small regional bulk infrastructure project phases under construction as specified
Means of verification	Quarterly Evaluation reports/monthly progress reports
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	17 small regional bulk infrastructure project phases under construction
Indicator responsibility	Regional Bulk Infrastructure Grant

PPI No 3.9.4.3: Number of small regional bulk infrastructure project phases completed

Indicator title	Number of small regional bulk infrastructure project phases completed
Definition	This monitors the number of small water and wastewater services project phases completed within a given financial year implemented through the regional bulk infrastructure programme.
Source of data	When all project construction is finalized the project is handed over for operations and maintenance to deliver water to the targeted recipients. The practical completion certificates that indicate the projects are operating will be kept.
Method of calculation/ assessment	This will be the small regional bulk infrastructure project phases completed as specified
Means of verification	Practical Completion certificates
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly,
Desired performance	8 regional bulk infrastructure project phases completed
Indicator responsibility	Regional Bulk Infrastructure Grant

PPI No 3.9.4.3.1 Number of job opportunities created through implementing RBIG projects

Indicator title	Number of job opportunities created through implementing RBIG projects
Definition	This monitors the number of direct job opportunities created through implementing water augmentation, water services and dam safety rehabilitation infrastructure projects.
Source of data	A list of all created job opportunities is maintained.
Method of calculation/ assessment	This will be the actual number of job opportunities created.
Means of verification	List of beneficiaries and copies of IDs
Assumptions	The infrastructure-built programmes contribute to the creation of work opportunities to provide short term relief for the unemployed.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	450 job opportunities created through RBIG projects
Indicator responsibility	Regional Bulk Infrastructure Grant

PPI No 3.10.1 Number of small WSIG projects under construction

Indicator title	Number of small WSIG projects under construction
Definition	This monitors the number of small water and wastewater services projects under construction within a given financial year implemented through the through the Water Services Infrastructure Grant
Source of data	Subsequent to the design phase the project construction starts with quarterly progress reports maintained.
Method of calculation/ assessment	This will be the small WSIG projects under construction as specified. Due to the misalignment of the financial year between the national and local government spheres, the finalised project list adopted by water service authorities will be provided when the budget is allocated.
Means of verification	Monthly progress reports
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	None
Spatial transformation (where applicable)	None
Calculation type	Non-Cumulative
Reporting cycle	Quarterly,
Desired performance	294
Indicator responsibility	Water Services Infrastructure Grant

PPI No 3.10.2: Number of small WSIG projects completed

Indicator title	Number of small WSIG projects completed
Definition	This monitors the number of small water and wastewater services projects completed within a given financial year implemented through the through the Water Services Infrastructure Grant
Source of data	Subsequent to the design phase the project construction starts with quarterly progress reports maintained.
Method of calculation/ assessment	This will be the small WSIG projects completed. Due to the misalignment of the financial year between the national and local government spheres, the finalised project list adopted by water service authorities will be provided when the budget is allocated.
Means of verification	Practical Completion certificates
Assumptions	Monitoring of projects will ensure proper implementation
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	115
Indicator responsibility	Water Services Infrastructure Grant

PPI No 3.10.3: Number of intervention projects under implementation

Indicator title	Number of intervention projects under implementation
Definition	This monitors the number of intervention project under implementation within a given financial year; through grants
Source of data	Monthly and quarterly progress reports
Method of calculation/ assessment	This will be number of intervention projects under implementation: • Vaal and Giyani Interventions project
Means of verification	The portfolio of evidence required to verify the validity of data
Assumptions	Factors that are accepted as true and certain to happen without proof
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	2 (Vaal Intervention and Giyani BWS Intervention)
Indicator responsibility	Water Services Infrastructure Grant

PPI No 3.10.4: Number of existing bucket sanitation backlog systems in formal settlements replaced

Indicator title	Number of existing bucket sanitation backlog systems in formal settlements replaced
Definition	This monitors the number of existing buckets eradicated in formal settlements and replaced with a basic sanitation facility which is easily accessible to households members, has the necessary operational support for the safe removal of human waste and black, end/or grey water from the premises where this is appropriate and necessary, and promotes the communication of good sanitation , hygiene and related practices
Source of data	A list of municipalities with existing bucket sanitation systems is maintained
Method of calculation/ assessment	This will be the number of existing buckets eradicated within the financial year
Means of verification	Signed happy letters, report, and asset register
Assumptions	Support provided by municipalities
Disaggregation of beneficiaries (where applicable)	N/A
Spatial transformation (where applicable)	N/A
Calculation type	Cumulative
Reporting cycle	quarterly
Desired performance	10 798
Indicator responsibility	Sanitation Service Support

PPI No 4.1.1: Number of district municipalities (DMs) with developed 5-year water and sanitation reliability plans

Indicator title	Number of district municipalities (DMs) with developed 5-year water and sanitation reliability plans
Definition	This measures the number of district municipalities with completed 5-year reliable water and sanitation services delivery implementation plans. Water and Sanitation Service Delivery implementation plans are plans to assist DMs to ensure provision of reliable services without frequent interruptions; and comprising of the following: • Implementation plan framework for services related to Governance work stream • Implementation plan framework for services related to Water Security work stream • Implementation plan framework for services related to Functionality work stream • Implementation plan framework for services related to New Infrastructure work stream • Implementation plan framework for services related to Funding Model work stream
Source of data	Water and Sanitation Service Delivery implementation plans
Method of calculation/ assessment	This will be the listed district municipalities (DMs) with completed 5-year reliable water and sanitation services delivery implementation plans.
Means of verification	Existing situation of Water Services Needs and future projects addressing reliability problems
Assumptions	Local Government integration of Water Services programmes and projects
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Five Year Reliability Implementation Plans in 10 DMs
Indicator responsibility	Water Services and Local Management:

PPI No 4.2.1: Annual MuSSA reports on water services authorities' performance in providing water and sanitation services

Indicator title	Annual MuSSA reports on water services authorities performance in providing water and sanitation services
Definition	MuSSA is a tool used to assess overall business health of WSAs to fulfill the water services function
Source of data	42 Municipalities, 8 Metro and 8 Secondary cities are sources of data. Questionnaires are sending to municipalities to complete regarding various key functional attributes.
Method of calculation/ assessment	Collected data is captured on the database, which has scores for various attributes. Processed data gives rise to information that categories municipalities in terms of vulnerability status and allows the identification of key business areas of vulnerability.
Means of verification	The portfolio of evidence required to verify the validity of data Completed MuSSA feedback reports as generated by the MuSSA system, cumulative completion achieved via MuSSA system reporting
Assumptions	Factors that are accepted as true and certain to happen without proof; The update process is voluntary (the MuSSA is a municipal self -help assessment process) and the completion targets cannot be imposed on the municipalities
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Cumulative (Year-End)
Reporting cycle	Quarterly
Desired performance	National Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities
Indicator responsibility	Water Services and Local Management:

PPI No 4.2.2: Annual Municipal Priority Action Plan (MPAP) developed

Indicator title	Annual Municipal Priority Action Plan (MPAP) developed
Definition	The MPAP is plan developed by WSAs based on MuSSA outcomes; it is developed to address high and extreme vulnerability factors in 80 WSAs. These are the factors/ issues critically contributing to poor performance of water services business in the 80 WSAs.
Source of data	MuSSA 2019/20 report that identified 80 WSAs on high and extreme vulnerability
Method of calculation/ assessment	Number of MPAPs developed within a given year
Means of verification	MPAPs confirmed by the WSAs
Assumptions	MPAPs are developed by WSAs that are having high and extreme vulnerability based on MuSSA report. MuSSA is an optional assessment, it cannot be enforced. Some WSAs may not feel compelled to prioritize the actions / gaps identified through MUSSA and develop the associated MPAP.
Disaggregation of beneficiaries (where applicable)	N/A
Spatial transformation (where applicable)	N/A
Calculation type	Cumulative
Reporting cycle	Quarterly
Desired performance	National MPAP developed
Indicator responsibility	Water Services and Local Management:

PPI No 5.2.1: Water Services Amendment Bill developed

Indicator title	Water Services Amendment Bill developed
Definition	This Bill is for ensuring equitable share of water resources
Source of data	The Water Services Act (no 108 of 1997), National Water Act, 12 Policy Principles found in the National Water Policy Review 92013) and National Sanitation policy (2016)
Method of calculation/ assessment	• Consult and engage internal policy owners based on the content of the Draft Bill • Consultation with relevant government department and institutions • Draft Bill submitted for legal review and gazetted and update Socio Economic Impact Assessment (SEIAS) • Public consultation and ensuring compliance with 90 days of consultation on the Draft Water and Sanitation Bill and related activities • Revised Draft Bill submitted for DG clusters and Cabinet approval and related activities
Means of verification	Attendance registers of all consultations and meetings held
Assumptions	• Publication of the Bill in the government gazette • Development of the comments and response matrix • Translation of the Bill into other two official languages
Disaggregation of beneficiaries (where applicable)	• Every water user of water for domestic purpose • Irrigation/Farming Industry • Industrial and commercial water users
Spatial transformation (where applicable)	• To achieve equitable allocation of water amongst all users • To enhance the economic development by assisting emerging farmers and people who were deprived access to water due to the previous unjust system
Calculation type	Non-Cumulative
Reporting cycle	Annual
Desired performance	Submit Water Services Amendment Bill to cabinet for approval
Indicator responsibility	Water Services Policy & Strategy

PPI No.5.2.2: National Sanitation Integrated Plan

Indicator title	National Sanitation Integrated Plan
Definition	This measures the process of developing the National Sanitation Integrated Plan which will address sanitation challenges and pay special attention to the elimination of open defecation. It is a 10-year roadmap for meeting the sanitation target set in National Development Plan and Sustainable Development Goals 6 (SDG6).
Source of data	The data source will include but not limited to: • Various countries related plans • Sector partners delivery plans • District municipalities (DMs) water and sanitation services master plans • Water Services Development Plans
Method of calculation/ assessment	This will be the National Sanitation Integrated Plan
Means of verification	• Updated Provincial Situational Analysis Report • Provincial action plans
Assumptions	Accuracy of data from the sector and cooperation
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	9 Provincial Action Plans for National Sanitation Integrated Plan
Indicator responsibility	Sanitation Service Support

PPI 5.2.3: National Faecal Sludge Management Strategy for on-site sanitation developed

Indicator title	National Faecal Sludge Management Strategy for on-site sanitation developed
Definition	The strategy will provide guidance on how to manage the planning of faecal sludge for onsite sanitation technologies throughout sanitation services value chain and ensure economic development through beneficial use of faecal sludge.
Source of data	The data source will include but not limited to: • Various countries related strategies • Faecal sludge Management research and case studies • Polokwane Municipality feacal sludge management system pilot • District municipalities (DMs) water and sanitation services master plans • Water Services Development Plans
Method of calculation/ assessment	This will be the National Feacal Sludge Management Strategy for onsite sanitation technologies
Means of verification	The document verification includes: • Faecal Sludge Management Concept Note • Report on Polokwane Municipality faecal sludge management pilot • Conceptual Framework • Draft Faecal Sludge Management Strategy
Assumptions	Accuracy of data from the sector and cooperation of WSAs and sector partners
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly and Annual
Desired performance	National Faecal Sludge Management Strategy for on-site sanitation developed
Indicator responsibility	Sanitation Service Support

PPI No 5.2.4: Bulk water tariffs developed

Indicator title	Bulk water tariffs developed
Definition	Water pricing regulations implemented
Source of data	This measures the determination of Bulk Water Tariffs that are done in compliance to the approved norms & standards for tariff setting
Method of calculation/ assessment	Norms & Standards for tariff setting; tariff proposals and previous year approved tariffs
Means of verification	Bulk Water Tariff tabled in Parliament and letters to Water Boards signed by Minister
Assumption	Approved Tariff Submission
Disaggregation of beneficiaries (where applicable)	Stakeholder consultations on proposed tariffs
Spatial transformation (where applicable)	Not applicable
Calculation type	Not applicable
Reporting cycle	Quarterly
Desired performance	2023/24 Bulk water tariffs developed
Indicator responsibility	Water Services Regulation

PPI No 5.3.1: Number of water supply systems assessed for compliance with the blue drop regulatory requirements

Indicator title	Number of water supply systems assessed for compliance with the blue drop regulatory requirements
Definition	This assesses the performance of water supply systems owned or managed by water service institutions for compliance with the South African National Standard for drinking water quality (SANS 241).
Source of data	Water services databases, water service authorities databases
Method of calculation/ assessment	This will be the number of water supply systems assessed as specified.
Means of verification	Scorecards
Assumption	Submission of data and relevant information/documents by water services institutions, consultations with water services authorities and site visits
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Annual
Desired performance	1035
Indicator responsibility	Water Services Regulation

PPI No 5.3.2: Number of identified non-compliant water supply systems monitored against the regulatory requirements

Indicator title	Number of identified non-compliant water supply systems monitored against the regulatory requirements
Definition	This is the monitoring of the water supply systems owned or managed by water service institutions that were found to be non-compliant
Source of data	Blue Drop system and reports
Method of calculation / assessment	This will be the number of water supply systems monitored as specified.
Means of verification	Provincial monitoring reports
Assumption	Consultations with water services authorities and site visits
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	370 Identified non-compliant water supply systems monitored
Indicator responsibility	Water Services Regulation

PPI No 6.3.1: Performance of water boards evaluated against their performance plans

Indicator title	Performance of water boards evaluated against their performance plans
Definition	This monitors the Performance of Water Boards against their Shareholder Compacts, Corporate Plans, Annual Performance Plans, Annual Reports and Quarterly Reports as required by the legislation (PFMA)
Source of data	Submitted plans/reports from Water Boards
Method of calculation/ assessment	Number of performance assessments/appraisals conducted
Means of verification	Performance assessments/appraisals
Assumption	Submission of all plans/reports
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Annual Assessment of Shareholder compacts, business plans, quarterly and annual reports for 9 WBs
Indicator responsibility	Water Services Institutional Oversight

PPI No 6.3.2: Number of regional water utilities gazetted for establishment

Indicator title	Number of regional water utilities gazetted for establishment
Definition	This indicator monitors the transitional institutional arrangements between the existing water boards and the proposed regional water utilities.
Source of data	Approved institutional reform and realignment document
Method of calculation/ assessment	The roadmap for the establishment of the Sedibeng and proto-regional water utility
Means of verification	The roadmap for the establishment of the Sedibeng proto-regional water utility
Assumption	Tender documentation for the due diligence
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	(0) Reconfiguration of Sedibeng Water
Indicator responsibility	Water Services Institutional Oversight

1 [1] Source:https://www.britannica.com/science/gauging-station

ANNEXURES
TO THE ANNUAL PERFORMANCE PLAN

ANNEXURE A: CONDITIONAL GRANTS

Regional Bulk Infrastructure Grant

Name of grant	Regional Bulk Infrastructure (RBIG)
Grant schedule	Schedule 5B and schedule 6B
Strategic goal	Facilitate achievement of targets for access to bulk water through successful execution and implementation of regional bulk infrastructure projects or bulk projects of regional significance
Purpose	• To develop new, refurbish, upgrade and replace ageing water and waste water infrastructure of regional significance that connects water resources to infrastructure serving extensive areas across municipal boundaries or large regional bulk infrastructure serving numerous communities over a large area within a municipality • Implementation of regional Water Conservation and Water Demand Management (WC/WDM) projects or facilitate and contribute to the implementation of local WC/WDM projects that will directly impact on bulk infrastructure requirements
Outcome statement(s)	Access to water supply enabled through regional bulk infrastructure Proper waste water management and disposal enabled through regional wastewater infrastructure
Performance indicator (s)	• Number of regional bulk and WC/WDM projects initiated • Number of projects completed • Number of people or households benefitting from projects completed • Number of municipalities benefitting • Number of job opportunities created

Water Services Infrastructure Grant

Name of grant	Water Services Infrastructure (WSIG)
Grant schedule	Schedule 5B and schedule 6B
Strategic goal	To assist Water Services Authorities (WSAs) to reduce water and sanitation backlogs and sustain water and sanitation infrastructure
Purpose	• To facilitate the planning and implementation of various water and sanitation projects to accelerate backlog reduction and improve the sustainability of services in prioritised district municipalities, especially in rural municipalities • Provide interim, intermediate water supply that ensure provision of services to identified and prioritised communities, including through spring protection, drilling, testing and equipping of boreholes • Provide onsite sanitation solutions • To support drought relief projects in affected municipalities
Outcome statement(s)	An increased number of households with access to reliable, safe drinking water and sanitation services
Performance indicator (s)	• Number of households provided with water and sanitation through • reticulated water supply, • on site sanitation, • source identification, • water conservation/ water demand management provisioning • Number of households reached by health and hygiene awareness and end user education • Number of job opportunities created

ANNEXURE B: DEFINITION OF TERMS

Term	Definition
Adequate sanitation	Sanitation services that is easily accessible to household members, has the necessary operational support for the safe removal of human waste and black and / or grey water from the premises where this is appropriate and necessary, and promotes the communication of good sanitation, hygiene and related practices.
Basic Water Supply	The prescribed minimum standard of water supply services necessary for the reliable supply of a sufficient quantity and quality of water to households, including informal households, to support life and personal hygiene (i.e. RDP standard that requires a tap in the street 200m from households)
Bulk water resource infrastructure	Infrastructure required to store and transfer raw water as part of government schemes. It also referred to as national water resources infrastructure (e.g. dams, canals, major pump stations etc.)
Catchment	A watercourse or watercourses or part of a watercourse, means the area from which any rainfall will drain into the watercourse or watercourses or part of a watercourse, through surface flow to a common point or common points
Compulsory licensing	A mechanism to reconsider all the water use authorisations in an area to • Achieve a fair allocation of water from a resource that is under stress or to achieve equity in allocation; • Promote beneficial use of water in the public interest; • Facilitate efficient management of the water resource; • Protect water resource quality.
Conservation	In relation to a water resource means the efficient use and saving of water, achieved through measures such as water saving devices, water-efficient processes, water demand management and water rationing
Consumer	Any end user who receives water services from a water services institution, including an end user in an informal settlement
Conveyance system	It's an infrastructure constructed for the purpose of transferring water from a natural water resource to a point of use (e.g. canal, pipeline, tunnel, syphon etc.)
Cumulative	A value increase by making successive additions of random variables
Feasibility Plan	An evaluation and analysis of the potential of the proposed water resource development project which is based on extensive investigation and research. This may entail water availability analysis, socio-economic viability, environmental impact assessment and geo-technical studies to provide best suitable option for a water resource development or augmentation.
Formal settlement	Permanent housing created in an urban or peri-urban location with official approval
Interim Water Supply	This can be a spring protection or a borehole with a hand pump in a village
Job opportunity	Paid work created for an individual on a project for any period. The same person can be employed on different projects and each period of employment will be counted as a job opportunity.
Large project	A project with a total cost of at least R250 million but less than a R 1 billion over the project life cycle.
Mega project	A project over R400 million per annum for a minimum of three years, or a minimum of R1 billion total projects cost.
National Water Resource Strategy	Provides the framework for the protection, use, development, conservation, management and control of water resources for the country. It also provides the framework within which water will be managed at regional or catchment level, in defined water management areas.
Non-cumulative	Values calculated during the query at a certain period (i.e. actual values during the quarter)
Pollution	The direct or indirect alteration of the physical, chemical or biological properties of a water resource so as to make it less fit for any beneficial purpose for which it may reasonably be expected to be used; or harmful or potentially harmful to the welfare, health or safety of human beings; to any aquatic or non-aquatic organisms; to the resource quality; or to property
Programme	Is the main division within the department's budget that funds a clearly defined set of objectives based on the services or functions within the department's legislative and other mandates

Term	Definition
Reserve	The quantity and quality of water required to satisfy basic human needs by securing a basic water supply, as prescribed under the Water Services Act, 1997 (Act No. 108 of 1997), for people who are now or who will, in the reasonably near future, be relying upon; taking water from; or being supplied from the relevant water resource; and to protect aquatic ecosystems in order to secure ecologically sustainable development and use of the relevant water resource;
Resource Poor Farmer	Farmers who are citizens of South Africa and who are members of the historically disadvantaged population groups.
Resource quality	The quality of all the aspects of a water resource including the quantity, pattern, timing, water level and assurance of in-stream flow; the water quality, including the physical, chemical and biological characteristics of the water; the character and condition of the in-stream and riparian habitat; and the characteristics, condition and distribution of the aquatic biota
Resource Quality Objective	The establishment of clear goals relating to the quality of the relevant water resource. In determining resource quality objectives, a balance must be sought between the need to protect and sustain water resources on the one hand, and the need to develop and use them on the other.
SIP 1	Unlocking the northern mineral belt with Waterberg as Catalyst
SIP 2	Durban-Free State Gauteng Logistics and Industrial Corridor
SIP 3	South eastern note and corridor development
SIP 4	Unlocking the economic opportunities in the Both West Province
SIP 5	Saldanha-Northern Cape Development Corridor
SIP 6	Integrated municipal infrastructure project
SIP 11	Agri-logistics and rural infrastructure
SIP 18	Water and sanitation master plan
Small project	A project with a total cost less than R250 million over the project life cycle
Sub-programme	Is a constituent part of a programme that defines the services or activities which contribute to the achievement of the objective(s) of the programme of which it forms a part.
Water Management Area	Is an area established as a management unit in the national water resource strategy within which a Catchment Management Agency will conduct the protection, use, development, conservation, management and control of water resources
Water Management System	This is a computer system designed to support the water resource management function of the Department with emphasis on water and environmental quality
Water Reconciliation Strategy	A study that identifies, evaluate and prioritises interventions to reconcile the future water requirements with the available water resources within a particular area
Water resource	Includes a watercourse, surface water, estuary, or aquifer
Water Service Authority	Any municipality, including a district or rural council as defined in the Local Government Transition Act, 1993 (Act No. 209 of 1993). responsible for ensuring access to water services:
Water Services	Water supply services and sanitation services
Water use authorisation	Water use authorisation may be one of the following: • **Schedule 1 use** - small volumes of water for household use only. No application for a licence needs to be made. • **General Authorisations** - larger volumes of water may be generally authorised for a specific type of water use or category of water user. These users need to register their use but do not need a licence. • **Existing Lawful Use** – this allows water use that was lawfully used before the NWA came into effect to continue until it can be converted into a licence using compulsory licensing. • **Licensed Water Use** – Licences are issued under the NWA and require approval of an application by the Department of Water and Sanitation.

ANNEXURE C: CONSOLIDATED INDICATORS

Not applicable.

ANNEXURE D:
ADDITIONAL DETAILS FOR PROGRAMME PERFORMANCE INDICATORS

PROGRAMME 2: WATER RESOURCES MANAGEMENT

PPI No 2.1.3: Number of rivers in which the river eco-status monitoring programme is implemented

WMA and Province	Targeted Number and Names	Frequency of monitoring			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Limpopo: Gauteng, North West, Limpopo	7 • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo • Mogalakwena	7 • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo • Mogalakwena	7 • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo • Mogalakwena	7 • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo • Mogalakwena	• 7 • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo • Mogalakwena
	10 • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane • Molopo	10 • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane • Molopo	10 • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane • Molopo	10 • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane • Molopo	10 • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane • Molopo
Vaal: Gauteng, Northern Cape	7 • Vaal • Taaibosspruit • Blesbokspruit • Suikerbosrand • Mooi • Waterval • Harts	7 • Vaal • Taaibosspruit • Blesbokspruit • Suikerbosrand • Mooi • Waterval • Harts	7 • Vaal • Taaibosspruit • Blesbokspruit • Suikerbosrand • Mooi • Waterval • Harts	7 • Vaal • Taaibosspruit • Blesbokspruit • Suikerbosrand • Mooi • Waterval • Harts	7 • Vaal • Taaibosspruit • Blesbokspruit • Suikerbosrand • Mooi • Waterval • Harts
Orange: Free State and Northern Cape	4 • Caledon • Riet • Orange • Modder	4 • Caledon • Riet • Orange • Modder	4 • Caledon • Riet • Orange • Modder	4 • Caledon • Riet • Orange • Modder	4 • Caledon • Riet • Orange • Modder
Olifants: Mpumalanga	2 • Olifants • Letaba	2 • Olifants • Letaba	2 • Olifants • Letaba	2 • Olifants • Letaba	2 • Olifants • Letaba
Mzimvubu-Tsitsikamma West: Eastern Cape	10 • Bloukrans, • Groot (east) • Lottering • Storms • Elandsbos • Kouga/Gamtoos • Swartkops/ Kwazungu • Kromme • Kowie • Kat	10 • Bloukrans, • Groot (east) • Lottering • Storms • Elandsbos • Kouga/Gamtoos • Swartkops/ Kwazungu • Kromme • Kowie • Kat	10 • Bloukrans, • Groot (east) • Lottering • Storms • Elandsbos • Kouga/Gamtoos • Swartkops/ Kwazungu • Kromme • Kowie • Kat	10 • Bloukrans, • Groot (east) • Lottering • Storms • Elandsbos • Kouga/Gamtoos • Swartkops/ Kwazungu • Kromme • Kowie • Kat	10 • Bloukrans, • Groot (east) • Lottering • Storms • Elandsbos • Kouga/Gamtoos • Swartkops/ Kwazungu • Kromme • Kowie • Kat

WMA and Province	Targeted Number and Names	Frequency of monitoring			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Mzimvubu-Tsitsikamma East: Eastern Cape	6 • Mzimvubu • Mthatha • Mbashe • Kei • Keiskamma • Buffalo	6 • Mzimvubu • Mthatha • Mbashe • Kei • Keiskamma • Buffalo	6 • Mzimvubu • Mthatha • Mbashe • Kei • Keiskamma • Buffalo	6 • Mzimvubu • Mthatha • Mbashe • Kei • Keiskamma • Buffalo	6 • Mzimvubu • Mthatha • Mbashe • Kei • Keiskamma • Buffalo
Phongola-Mtamvuna: KZN	8 • Mhlathuze • Mkhomazi • Mvoti • Thongathi • Umngeni • Umlazi • Umbilo • Umhlatuzana	8 • Mhlathuze • Mkhomazi • Mvoti • Thongathi • Umngeni • Umlazi • Umbilo • Umhlatuzana	8 • Mhlathuze • Mkhomazi • Mvoti • Thongathi • Umngeni • Umlazi • Umbilo • Umhlatuzana	8 • Mhlathuze • Mkhomazi • Mvoti • Thongathi • Umngeni • Umlazi • Umbilo • Umhlatuzana	8 • Mhlathuze • Mkhomazi • Mvoti • Thongathi • Umngeni • Umlazi • Umbilo • Umhlatuzana
Breede-Gouritz: Western Cape (BGCMA)	15 • Breede • Heuningnes • Palmiet • Klein • Goukamma • Diep • Karatara • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz	15 • Breede • Heuningnes • Palmiet • Klein • Goukamma • Diep • Karatara • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz	15 • Breede • Heuningnes • Palmiet • Klein • Goukamma • Diep • Karatara • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz	15 • Breede • Heuningnes • Palmiet • Klein • Goukamma • Diep • Karatara • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz	15 • Breede • Heuningnes • Palmiet • Klein • Goukamma • Diep • Karatara • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz
Berg -Olifants: Western Cape	1 • Berg	1 • Berg	1 • Berg	1 • Berg	1 • Berg
Total	**70**	**70**	**70**	**70**	**70**

PPI No 5.1.5: Number of water users monitored for compliance

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Mining Sector (79)						
Eastern Cape	1	• Taman Lukisa JV Pty Ltd: Ryst Rehabilitation Project Closure	-	1 • Taman Lukisa JV Pty Ltd: Ryst Rehabilitation Project Closure	-	-
Free State	5	• Sibanye Stillwater (Beatrix Operations) • Matsopa Minerals • Kariba Minerals LTD • Tetra 4 (Pty) Ltd • One Gold Africa	2 • Sibanye Stillwater • (Beatrix Operations) • Matsopa Minerals	1 • Kariba Minerals LTD	2 • Tetra 4 (Pty) Ltd • One Gold Africa	-
Gauteng	12	• Penumbra Coal Mine • Vunene Surface Water WUL • DRD Gold ERGO Mining • Ocon Brick Sand Mining • DRD Gold Mine Knights Operation • New Kleinfontein • Coal of Africa Mooiplaats • Shondoni • South 32 SA Coal Holding (Pty) Ltd: Davel Mine • New Dernmark Mine • Sasol Mine Operations Secunda • Mpumelelo Mine Secunda	4 • Penumbra Coal Mine • Vunene Surface Water WUL • DRD Gold ERGO Mining • Ocon Brick Sand Mining	2 • DRD Gold Mine Knights Operations • New Kleinfontein	3 • Coal of Africa Mooiplaats • Shondoni • South 32 SA Coal Holding (Pty) Ltd: Davel Mine	3 • New Dernmark Mine • Sasol Mine Operations Secunda • Mpumelelo Mine Secunda
KZN	2	• Thutha Amalahle Transport & Construction Pty Ltd _ Dama Coliery • Tronox Sands KZN Sands Pty ltd _ Fairbreeze Mine	-	-	2 • Thutha Amalahle Transport & Construction Pty Ltd _ Dama Coliery • Tronox Sands KZN Sands Pty ltd _ Fairbreeze Mine	-

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Limpopo	11	• DMI Minerals South Africa Pty Ltd • Exxaro Resources Ltd Tshikondeni Mine • Grootegeluk Exxaro: Thabametsi • Limpopo Coal Company: Vele colliery Mine • De Beers Consolidated Mines: Venetia Mine • Grasvalley Chrome Mine (pty) Ltd • Ledjadja Coal (Pty)Ltd Boikarabelo Coal Mine • Exxaro Coal (Pty) Ltd: Grootegeluk Coal Mine & Reductants • Tivanl Mine (Pty) Ltd • Anglo American Platinum Limited: Mogalakwena Mine • Ivanplats PTY LTD	4 • DMI Minerals South Africa Pty Ltd • Exxaro Resources Ltd Tshikondeni Mine • Grootegeluk Exxaro: Thabametsi • Limpopo Coal Company: Vele colliery Mine	3 • De Beers Consolidated Mines: Venetia Mine • Grasvalley Chrome Mine (pty) Ltd • Ledjadja Coal (Pty)Ltd Boikarabelo Coal Mine	2 • Exxaro Coal (Pty) Ltd: Grootegeluk Coal Mine & Reductants • Tivanl Mine (Pty) Ltd	2 • Anglo American Platinum Limited: Mogalakwena Mine • Ivanplats PTY LTD
Mpumalanga	20	• Impofu Colliery-Anna Magdelena van der Linde • Linarox (Pty) Ltd:Welstand Colliery • Anglo Operation: Mafube • Bauba Hlabirwa Mining Investments • Foskor • New Largo Coal • BECSA Middleburg mine services: Klipfontein • Xstrata Glencore Alloys Lion Ferrochrome Smelter • Maphocs Mine • Rusternburg platinum: Twickenham mine • ASA Metals (Pty) Ltd:Dilokong Chrome Mine • Bokoni Platinum mine • Brandbach Mining (Pty) Ltd: Brandbach Sand cc • Rustenburg platinum mine: Der brochen • Northm Platinum Limited: Booysendal mine • Analisa Mining and Industrial Services (Pty) Ltd: Lefa Coal Mine • Exxaro Matla Colliery • Transvaaal Gold Mining Estate • Blue Nightingale Trading: Sisebenzile colliery • Msobo Coal (Pty) Ltd: Veerdepan Mine	6 • Impofu Colliery-Anna Magdelena van der Linde • Linarox (Pty) Ltd:Welstand Colliery • Anglo Operation: Mafube • Bauba Hlabirwa Mining Investments • Foskor • New Largo Coal	5 • BECSA Middleburg mine services: Klipfontein • Xstrata Glencore Alloys Lion Ferrochrome Smelter • Maphocs Mine • Rusternburg platinum: Twickenham mine • ASA Metals (Pty) Ltd:Dilokong Chrome Mine	4 • Bokoni Platinum mine • Brandbach Mining (Pty) Ltd: Brandbach Sand cc • Rustenburg platinum mine: Der brochen • Northm Platinum Limited: Booysendal mine	5 • Analisa Mining and Industrial Services (Pty) Ltd: Lefa Coal Mine • Exxaro Matla Colliery • Transvaaal Gold Mining Estate • Blue Nightingale Trading: Sisebenzile colliery • Msobo Coal (Pty) Ltd: Veerdepan Mine

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Northern Cape	12	• Wouterspan Mine Bondeo • Rietput Delwerye • Mamatwan mine • Southern Ambition 1549 (Pty) Ltd • Tshipi e Ntle Manganese Mining (Pty) Ltd: Tshipi Borwa Mine • The Brad Potgieter Trust • Mokala Manganese Pty Ltd • PEJ Voster • Droogfontein Estate PTY LTD • Kolomela Mining • UMK • Rex Exploration mine	3 • Wouterspan Mine Bondeo • Rietput Delwerye • Mamatwan mine	4 • Southern Ambition 1549 (Pty) Ltd • Tshipi e Ntle Manganese Mining (Pty) Ltd: Tshipi Borwa Mine • The Brad Potgieter Trust • Mokala Manganese Pty Ltd	3 • PEJ Voster • Droogfontein Estate PTY LTD • Kolomela Mining	2 • UMK • Rex Exploration mine
North West	14	• Krosa Sand Mine • Imerys Refractory Minerals Soth Africa (pty) Ltd Rhino Andalusite Mine • Andalusite Resources • Delf Sand Mine • Bundu Mining (Pty) Ltd: Gomes Sand Operations • Xstrata (Glencore) Eland Platinum Mine • Bafokeng Rasimone Platinum Mine • Lengeo (Pty) Ltd Vogelstruisfontein Sand Mine • Zeerust Chrome Mine • Rustenburg Platinum Mine: Union Section • Matsopa (Pty) Ltd Benadeplaats Limestone Mine • Brikor Limited: Donkerhoek Quartzite Quarry • Samancor Chrome Ltd: Western Chrome Mines Millsell and Waterkloof • Northam Platinum Mines	3 • Krosa Sand Mine • Imerys Refractory Minerals Soth Africa (pty) Ltd Rhino Andalusite Mine • Andalusite Resources	4 • Delf Sand Mine • Bundu Mining (Pty) Ltd: Gomes Sand Operations • Xstrata (Glencore) Eland Platinum Mine • Bafokeng Rasimone Platinum Mine	3 • Lengeo (Pty) Ltd Vogelstruisfontein Sand Mine • Zeerust Chrome Mine • Rustenburg Platinum Mine: Union Section	4 • Matsopa (Pty) Ltd Benadeplaats Limestone Mine • Brikor Limited: Donkerhoek Quartzite Quarry • Samancor Chrome Ltd: Western Chrome Mines Millsell and Waterkloof • Northam Platinum Mines
Western Cape	2	• PPC (De Hoek, Piketberg) • Elandsfontein Mine	1 • PPC (De Hoek, Piketberg)	1 • Elandsfontein Mine	-	-
Sub-Total	**79**		**23**	**21**	**19**	**16**
Industry Sector (49)						
Eastern Cape	2	• Coega IDZ • Da Gama Textiles	-	1 • Coega IDZ	1 • Da Gama Textiles	-

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Gauteng	10	• Sedibeng Brewery Pty Ltd • Thuthuka • Sasol Synfuels • Danone Southern Africa Pty Ltd • Arcelo Mittal • Box Way Trade and Invest Pty Ltd: Orange Farm Filling Station • McCain Foods: Springs • Abland Pty Ltd: Bulk Sewer Pipeline 2 • Labrie • Rhodes Food Group Pty Ltd: Aeroton	3 • Sedibeng Brewery Pty Ltd • Thuthuka • Sasol Synfuels	2 • Danone Southern Africa Pty Ltd • Arcelo Mittal	2 • Box Way Trade and Invest Pty Ltd: Orange Farm Filling Station • McCain Foods: Springs	3 • Abland Pty Ltd: Bulk Sewer Pipeline 2 • Labrie • Rhodes Food Group Pty Ltd: Aeroton
KZN	2	• Chantilly Water Pty Ltd • Foskor Pty Ltd	-	2 • Chantilly Water Pty Ltd • Foskor Pty Ltd	-	-
Limpopo	16	• Pioneer Foods Pty Ltd • Octane Dew 106 cc • Silicon Smelters • Tobivox Pty Ltd • Lapalala Natuurbewaring Operation Melote Camp • Jisep Trading Pty Ltd • Matimba Power Station • PMC (Polokwane Meturlargical Complex) Anglo Platinum • Westfalia Fruit products • Anglo Coal CBM • Mac Group of Companies / Mactransco railway siding • Thupela Energy • Thabametsi Power Plant • Eskom Matimba Power Station: Ashing Facility • Medupi Power Station • Royal Macadamia	4 • Pioneer Foods Pty Ltd • Octane Dew 106 cc • Silicon Smelters • Tobivox Pty Ltd	5 • Lapalala Natuurbewaring Operation Melote Camp • Jisep Trading Pty Ltd • Matimba Power Station • PMC (Polokwane Meturlargical Complex) Anglo Platinum • Westfalia Fruit products	4 • Anglo Coal CBM • Mac Group of Companies / Mactransco railway siding • Thupela Energy • Thabametsi Power Plant	3 • Eskom Matimba Power Station: Ashing Facility • Medupi Power Station • Royal Macadamia

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Mpumalanga	5	• Char technology Pty Ltd • Upgrade for National route N11 Section 9 betweenHendrina and Hendrina Power Station • Samancor Ferrochrome • Brazen Algar Trading: Haverklip siding • Twin City Trading Pty Ltd – Groblersdal Regional Shopping Centre and Mixed Use Development	2 • Char technology Pty Ltd • Upgrade for National route N11 Section 9 betweenHendrina and Hendrina Power Station	1 • Samancor Ferrochrome	1 • Brazen Algar Trading: Haverklip siding	1 • Twin City Trading Pty Ltd – Groblersdal Regional Shopping Centre and Mixed Use Development
Northern Cape	7	• National Research Foundation (NRF) SKA SA: Meerkat Losberg 73 • Aurora Power solutions: Konkoonsies solar • Fire Fly Investment • Aurora Power Solutions: Aries Solar • National Research Foundation (NRF) SKA SA: Meerkat Meysdam 68 • National Research Foundation (NRF) SKA SA • Adams Solar	1 • National Research Foundation (NRF) SKA SA: Meerkat Losberg 73	2 • Aurora Power solutions Konkoonsies solar • Fire Fly Investment	1 • Aurora Power Solutions: Aries Solar	3 • National Research Foundation (NRF) SKA SA: Meerkat Meysdam 68 • National Research Foundation (NRF) SKA SA • Adams Solar
North West	4	• NCP Chlorchem • Clover Alloys Pty Ltd • Omnia Fertilizer • South African Rail Commuter Corporation	1 • NCP Chlorchem	1 • Clover Alloys Pty Ltd	1 • Omnia Fertilizer	1 • South African Rail Commuter Corporation
Western Cape	3	• Listar Chamonix • ACSA (ERF 173970) • ACSA (Ptn 0 of • erf 173970)	1 • Listar Chamonix	2 • ACSA (ERF 173970) • ACSA (Ptn 0 of erf 173970)	-	-
Sub-Total	**49**		**12**	**16**	**10**	**11**
Agriculture: Agro-Processing Sector (25)						
Eastern Cape	4	• Wittenkleinbosch Dairy • Austin & Evans Abattoirs • Blueliliesbush Dairy Farming • Number Two Piggeries	-	1 • Blueliliesbush Dairy Farming	2 • Wittenkleinbosch Dairy • Number Two Piggeries	1 • Austin & Evans Abattoirs
Free State	2	• Ranch Estates Feedlot • Number Two Piggeries (Pty) Ltd	-	1 Ranch Estates Feedlot	1 • Number Two Piggeries (Pty) Ltd	-
Gauteng	1	• Chubby Chicks	-	1 • Chubby Chicks	-	-

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
KZN	3	• Steynsburg Port and Abattoir • MP Grindrod • Hlati Chicks	1 • Steynsburg Port and Abattoir	1 • MP Grindrod	1 • Hlati Chicks	-
Limpopo	5	• Mukwevho Poultry Farm / Pakipakanani • Diamond Trust • Lesudi Farming and Poultry • Mmonwa Poultry Enterprise • Itireleng Poultry	-	2 • Mukwevho Poultry Farm / Pakipakanani • Itireleng Poultry	1 • Lesudi Farming and Poultry	2 • Diamond Trust • Mmonwa Poultry Enterprise
Mpumalanga	2	• EDE Farming Pty Ltd Piggery & Associated Activities • Morogorogo poultry farm agriculture	1 • EDE Farming Pty Ltd Piggery & Associated Activities	-	-	1 • Morogorogo poultry farm agriculture
North West	5	• Cavalier Abattoir Pty Ltd: Cavalier Abattoir • BGM Chicken farms • Number Two Piggeries (Pty) Ltd • Kameeldrift Voere • Kiepersol Poultry Farm (Pty) Ltd	-	2 • Number Two Piggeries • Kameeldrift Voere	2 • Bgm Chicken Farms • Kiepersol Poultry Farm Pty Ltd	1 • Cavalier Abattoir Pty Ltd: Cavalier Abattoir
Western Cape	3	• Delta Valley • Denny Mushrooms • Cape Dairy Biogas	3 • Delta Valley • Denny Mushrooms • Cape Dairy Biogas	-	-	-
Sub-Total	**25**		**5**	**8**	**7**	**5**
Agriculture: Irrigation Sector (73)						
Eastern Cape	13	• ZD Ndoni • Ablort Morgan (Whyte Bank Farms) • Gutsche Family Investments (Woodlands) • Klein Rooipoort Pty Ltd • Tsitsikamma Forest Village Trust • Kousa Mission Station • Bridgwater Dairy • BK Webber • I Bulele • Coetzee Investment Trust • Munster • Nigel Lok Family Trust • Messrs. Mina Shalom (PC Smith)	2 • ZD Ndoni • Ablort Morgan (Whyte Bank Farms)	4 • Gutsche Family Investments (Woodlands) • Klein Rooipoort Pty Ltd • Tsitsikamma Forest Village Trust • Kousa Mission Station	5 • Bridgwater Dairy • BK Webber • I Bulele • Coetzee Investment Trust • Munster	2 • Nigel Lok Family Trust • Messrs. Mina Shalom (PC Smith)

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Free State	4	• Franz Hoek 412/0, Brandfort • De Berg 453/1, Dewetsdorp • Mr AJ van der Merwe • Grootbosvoerkrale Pty Ltd	1 • Franz Hoek 412/0, Brandfort	1 • De Berg 453/1 Dewetsdorp	1 • Mr AJ van der Merwe	1 • Grootbosvoerkrale Pty Ltd
Gauteng	7	• Stylester Investments Pty Ltd • Noble Equestrain Estate cc • Wilge Irrigation Middelwelkemp • Free State Oil Pty Ltd • Tweefontein Farm 249_PJE Jacobs • Deelkraal 142 IQ: Mr KL Fourie • Idwala Industrial Holdings Pty Ltd	2 • Stylester Investments Pty Ltd • Noble Equestrain Estate cc	2 • Wilge Irrigation Middelwelkemp • Free State Oil Pty Ltd	2 • Tweefontein Farm 249_ PJE Jacobs • Deelkraal 142 IQ: Mr KL Fourie	1 • Idwala Industrial Holdings Pty Ltd
KZN	2	• Simon Steyn Family Trust • Struan Farms	1 • Simon Steyn Family Trust	-	1 • Struan Farms	-
Limpopo	25	• Phaphamang Agricultural Co-operative • Mrs SN Van Zyl • Phela o Phedishe Kama Primary Co-operative • Purple Box Trading • Tsoga oitirele Farming • No 7 Nuts Farm Primary Co-operative Ltd • RBM • Mthemtho Trading and projects • Rainhall Enterprise & Projects • Selepe Molingwa Baster • Mavhetha MP • Makwaneng Farms Pty Ltd • Malapa Farming • Map Fresh Produce Enterprise • Precedential Agricultural Holdings • Carel Johannes Roos • Vukhensas Farm Pty Ltd • Mashamba TP • Mulinda Agricultural Primary Co-Operative Ltd • Mapela Irrigarion • Vica Investments and Trading Eighteen • Margott Farming • Ledig Trust • Barapartners Pty Ltd • Moraka Mamadi Moringa Primary Co-Operative	6 • Phaphamang Agricultural Co-operative • Mrs SN Van Zyl • Phela o Phedishe Kama Primary Co-operative • Purple Box Tradin • Tsoga oitirele Farming • No 7 Nuts Farm Primary Co-operative Ltd	6 • RBM • Mthemtho Trading and projects • Rainhall Enterprise & Projects • Selepe Molingwa Baster • Mavhetha MP • Makwaneng Farms Pty Ltd	7 • Malapa Farming • Map Fresh Produce Enterprise • Precedential Agricultural Holdings • Carel Johannes Roos • Vukhensas Farm Pty Ltd • Mashamba TP • Mulinda Agricultural Primary Co-Operative Ltd	6 • Mapela Irrigation • Vica Investments and Trading Eighteen • Margott Farming • Ledig Trust • Barapartners Pty Ltd • Moraka Mamadi Moringa Primary Co-Operative

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Mpumalanga	2	• Westfalia Fruit Estates • Doornkraal Landgoed (Pty) Ltd	-	1 • Doornkraal Landgoed (Pty) Ltd	1 • Westfalia Fruit Estates	-
Northern Cape	7	• Mr DJC Fourie_Sanddrift • Mr DJC Fourie_Bataleur • Muyanamisi Pty Ltd • Nardus Trust • Alomah Pty Ltd • Lomberg Landbou • PGL Boerdery Pty Ltd	2 • Mr DJC Fourie_Sanddri • Mr DJC Fourie_Bataleur	1 • Muyanamisi Pty Ltd	2 • Nardus Trust • Alomah Pty Ltd	2 • Lomberg Landbou • PGL Boerdery Pty Ltd
North West	3	• Winterveldt Citrus Project • Salk Trading and Projects cc • Lords View Property Owners Association	1 • Winterveldt Citrus Project	1 • Salk Trading and Projects cc	1 • Lords View Property Owners Association	-
Western Cape	10	• Le Roux Workers Trust • Platkloof Workers Trust • Piketberg Sunrise Farms • Lynol Peterson • Phil Farming • Steenberg Trust • One Vision • Knapdaar Boerdery • Masekhane Trust • Ebeneazer Community property	4 • Masekhane Trust • Ebeneazer Community property • Phil Farming • Piketberg Sunrise Farms	6 • Le Roux Workers Trust • Platkloof Workers Trust • Lynol Peterson • Steenberg Trust • One Vision • Knapdaar Boerdery	-	-
Sub-Total	**73**		**19**	**22**	**20**	**12**
Afforestation Sector (20)						
Eastern Cape	1	• MTO Forestry (Farm 423)	-	-	-	1 • MTO Forestry (Farm 423)
Gauteng	1	• Sappi Enstra Paper	-	-	-	• 1 • Sappi Enstra Paper
KZN	3	• Mpact Pty Ltd • Tongaat Felixton Mill • Emasosheni Community Trust (Plantation Richmond)	1 • Mpact Pty Ltd	1 • Tongaat Felixton Mill	-	• 1 • Emasosheni Community Trust (Plantation Richmond)

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Limpopo	13	• D Fourie • Mondi: Fleurfontein MS 811 Ptn 5 • Mulozi Trust • Makhado Saw Mill Ltd • JH Breytenbach: Zoekmekaar LS 77/11 • JH Breytenbach: Zoekmekaar LS 778/9 • Alaska Boerdery • Mondi: Tweefontein MS 813 Ptn 0 • Mr Phaswani David Nevhulorwa • PB Erasmus: Zoekmekaar LS 778/18 • PB Erasmus • Mondi: Waterval MS 812 Ptn 1 • Mondi: Fleurfontein MS 811 Ptn 0	4 • D Fourie • Mondi: Fleurfontein MS 811 Ptn 5 • Mulozi Trust • Makhado Saw Mill Ltd	5 • JH Breytenbach: Zoekmekaar LS 77/11 • JH Breytenbach: Zoekmekaar LS 778/9 • Alaska Boerdery • Mondi: Tweefontein MS 813 Ptn 0 • Mr Phaswani David Nevhulorwa	3 • PB Erasmus: Zoekmekaar LS 778/18 • PB Erasmus • Mondi: Waterval MS 812 Ptn 1	1 • Mondi: Fleurfontein MS 811 Ptn 0
Mpumalanga	1	• Sunnyside Boerdery	-	1 • Sunnyside Boerdery	-	-
Western Cape	1	• MTO Knysna	-	-	1 • MTO Knysna	-
Sub-Total	**20**		**5**	**7**	**4**	**4**
Municipal (WWTWs) (46)						
Eastern Cape	5	• Olivewood Estate • Sterkstroom • Joe Gqabi DM: Steynsburg • Gonubie • Zwelitsha	3 • Olivewood Estate • Sterkstroom • Joe Gqabi DM: Steynsburg	1 • Gonubie	1 • Zwelithsa	-
Free State	3	• Bultfontein WWTW • North Eastern WWTW • Mashaeng WWTW	-	2 • North Eastern WWTW • Mashaeng WWTW	-	1 • Bultfontein WWTW

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Gauteng	11	• ERWAT JP Maraise WWTW • Ennerdale WWTW • ERWAT Daveyton WWTW • Meyerton Midvaal Municipality WWTW • ERWAT Rynfield WWTW • ERWAT Benoni WWTW • Emfuleni WWTW • Evander WWTW • ERWAT Anchor WWTW • Rietspruit WWTW • Embalenhle WWTW	2 • ERWAT JP Maraise WWTW • Ennerdale WWTW	2 • ERWAT Daveyton WWTW • Meyerton Midvaal Municipality WWTW	4 • ERWAT Rynfield WWTW • ERWAT Benoni WWTW • Emfuleni WTW • Evander WWTW	3 • ERWAT Anchor WWTW • Rietspruit WWTW • Embalenhle WWTW
KZN	4	• Darville WWTW • Howick WWTW • Phoenix WWTW • Verulum WWTW	-	2 • Darville WWTW • Howick WWTW	-	2 • Phoenix WWTW • Verulum WWTW
Limpopo	7	• Polokwane WWTW • Thohoyandou WWTW • Vhembe District Municipality: Rietvlei WWTW • Nancefield • Musina WWTW • Tzaneen WWTW • Giyane Sewage Works	3 • Polokwane WWTW • Thohoyandou WWTW • Vhembe District Municipality: Rietvlei WWTW	2 • Nancefield • Musina WWTW	-	• 2 • Tzaneen WWTW • Giyane Sewage Works
Mpumalanga	6	• Rietspruit WWTW • Burgersfort WWTW • Thubelihle WWTW • Belfast WWTW • Kwazamokuhle WWTW • Capricon District Municipality Lebowakgomo WWTW	2 • Rietspruit WWTW • Burgersfort WWTW	1 • Thubelihle WWTW	2 • Belfast WWTW • Kwazamokuhle WWTW	1 • Capricon District Municipality Lebowakgomo WWTW

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Northern Cape	3	• Fraserburg WWTW • De Aar Water Provision System • Coalesburg WWTW	3 • Fraserburg WWT • De Aar Water Provision System • Coalesburg WWTW	-	-	-
North West	3	• Johannesburg Water (SOC); Norther Works WWTW • Mogale City LM Percy Steward WWTW • Thabazimbi Local Municipality: Northam WWTW	1 • Johannesburg Water (SOC); Norther Works WWTW	1 • Mogale City LM Percy Steward WWTW	1 • Thabazimbi Local Municipality: Northam WWTW	-
Western Cape	4	• Potsdam • Michells Plain • Malmesbury • Citrusdal	1 • Potsdam	1 • Michells Plain	1 • Malmesbury	1 • Citrusdal
Sub-Total	**46**		**15**	**12**	**9**	**10**
Municipal (Landfill) (5)						
Mpumalanga	2	• Witbank Landfill • Burgersfort Landfill	-	-	1 • Witbank Landfill	1 • Burgersfort Landfill
Western Cape	3	• Oudtshoorn Muncipality: De Rust • Prince Albert Municipality: Klaarstroom • Prince Albert Municpality: Prince Albert	-	3 • Oudtshoorn Muncipality: De Rust • Prince Albert Municipality: Klaarstroom • Prince Albert Municpality: Prince Albert	-	-
Sub-Total	**5**		**0**	**3**	**1**	**1**
DSO (82)						
Eastern Cape	11	• Witstoor Dam • Stillerus Dam • Sunnyside Dam • Zalverige Valley Dam • Aasvoel Dam • Vleikraal Dam • Goodhope No 1 Dam • Goodhope No 2 Dam • Rooikrantz Dam • Groendal Dam • Tsojana Dam	5 • Witstoor Dam • Stillerus Dam • Sunnyside Dam • Zalverige Valley Dam • Aasvoel Dam	3 • Vleikraal Dam • Goodhope No 1 Dam • Goodhope No 2 Dam	2 • Rooikrantz Dam . • Groendal Dam	1 • Tsojana Dam

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Free State	4	• Maselspoort Dam • Moperi Dam • Wortelfontein Dam • Welgelegen-Naude Dam	-	-	4 • Maselspoort Dam • Moperi Dam • Wortelfontein Dam • Welgelegen-Naude Dam	-
Gauteng	9	• Benoni No 3 Reservoir • Brakpan No 2 Reservoir • Meredale No 1 Reservoir • Langerand No 2 Reservoir • Panfontein Pond No 7 • De Put Keerwal • Vaalharts-Stuwal • Rusticana Dam • Driekloof Dam	2 • Beoni No 3 Reservoir • Brakpan No 2 Reservoir	2 • Meredale No 1 Reservoir • Langerand No 2 Reservoir	3 • Panfontein Pond No 7 • De Put Keerwal • Vaalharts-Stuwal	2 • Rusticana Dam • Driekloof Dam
KZN	19	• Jack Williamson Dam • Deeside Dam • Bass Lodge Dam • Umzinto River Dam • Albert Faals Dam • Big Trout Dam • Koedoesberg Besproeings • Vogelvlei Dam • Thornlea Dam • Nungwana Dam • EJ Smith Dam • Bizana Dam • West End Dam • Summersford Dam • Wagendrift Dam • MT Leseuer Big Dam • Laurens Dam • Crystal Lake • Doornkop Dam No 1	5 • Jack Williamson Dam • Deeside Dam • Bass Lodge Dam • Umzinto River Dam • Albert Falls Dam	7 • Big Trout Dam • Koedoesberg Besproeings • Vogelvlei Dam • Thornlea Dam • Nungwana Dam • EJ Smith Dam • Bizana Dam	3 • West End Dam • Summersford Dam • Wagendrift Dam	4 • MT Leseuer Big Dam • Laurens Dam • Crystal Lake • Doornkop Dam No 1

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Limpopo	7	• Vaalkop Dam • Voorwaarts Dam • Buffelspoort Dam • Kasteel Dam • Tom Mitchell Dam • Turfloop Dam • Willie van Wyk Dam	1 • Vaalkop Dam	3 • Voorwaarts Dam • Buffelspoort Dam • Kasteel Dam	2 • Tom Mitchell Dam • Turfloop Dam	1 • Willie van Wyk Dam
Mpumalanga	7	• Rietspruit Dam • Pienaar Dam • Kruger Dam • Navigation Pollution Control Dam • Khutalamine: Main Pollution Control Dam • Rustfontein Dam • Matla Brine Ponds	1 • Rietspruit Dam	2 • Pienaar Dam • Kruger Dam	2 • Navigation Pollution Control Dam • Khutalamine: Main Pollution Control Dam	2 • Rustfontein Dam • Matla Brine Ponds
North West	3	• Olifantsnek Dam • Precious Metals Refiners Effluent Dams 4&5 • Rookpoort Dam	3 • Olifantsnek Dam • Precious Metals Refiners Effluent Dams 4&5 • Rookpoort Dam	-	-	-

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Western Cape	22	• Kommissaris Dam • Alphen Dam • Klein Normandie Dam • Groenvlei Dam • Zeekoegat – Nuwe Dam • Uitkyk – Groot Dam • Achtervlei-Sement Dam • Groot Dam • Shemara Dam • Die Kloof Nuwe No 1 Dam • Noordoorval Dam • Tweespoor Dam • Dam 1 D • De Hof Dam • Joosfontein Dam • Aasvoelvlei Dam • Bushmanskloof Dam • Grootfontein Dam • Polkadraai Small Dam • Vlei Dam • Kloovenburg Dam • Bulshoek Dam	6 • Kommissaris Dam • Alphen Dam • Klein Normandie Dam • Groenvlei Dam • Zeekoegat Nuwe Dam • Uitkyk – Groot Dam	6 • Achtervlei-Sement Dam • Groot Dam • Shemara Dam • Die Kloof Nuwe No 1 Dam • Noordoorval Dam • Tweespoor Dam	6 • Dam 1 D • De Hof Dam • Joosfontein Dam • Aasvoelvlei Dam • Bushmanskloof Dam • Grootfontein Dam	4 • Polkadraai Small Dam • Vlei Dam • Kloovenburg Dam • Bulshoek Dam
Sub-Total	**82**		**23**	**23**	**22**	**14**
Total	**379**		**102**	**112**	**92**	**73**

PPI No 5.1.9: Number of wastewater systems monitored against the regulatory requirements

Province	Total number	Performance delivery list of systems per quarter			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Eastern Cape	20	5 • Amalinda Central • East Bank • Gonubie • Mdantsane East • West Ban	6 • Amabele • Butterworth • Idutywa • Keiskammahoek • Seymour • Stutterheim	4 • Berlin • Bisho • Breidbach • Dimbaza	5 • Peddie • Postdam • Reeston • Schornville KWT • Zwelitcha
Free State	79	20 • Ladybrand WWTW • Harrismith WWTW • Elands WWTW • Vrede WWTW • Petrus Steyn WWTW • Rosendal WWTW • Parys WWTW • Steynsrus WWTW • Oranjeville WWTW • Odendaalsrus WWTW • Mmamahabane WWTW • Brandfort WWTW • Bothaville WWTW • Koffiefontein WWTW • Reddersburg WWTW • Bethulie WWTW • Smithfield WWTW • Bloemspruit WWTW • Wepener WWTW • Botshabelo WWTW	20 • Hobhouse WWTW • Tshiame WWTW • Warden WWTW • Arlington WWTW • Fouriesburg WWTW • Vredefort WWTW • Kroonstad WWTW • Frankfort WWTW • Kutlwanong WWWTW • Henneman WWTW • Allanridge WWTW • Theunissen WWTW • Tswelopele LM (Bultfontein) WWTW • Letsemeng LM (Petrusburg) WWTW • Kopanong LM (Gariep) WWTW • Kopanong LM (Springfontein) WWTW • Mohokare LM (Rouxville) WWTW • Mangaung Metro (Bloemdustria) WWTW • Mangaung Metro (Van Stadensrus) WWTW • Mangaung Metro (North Estern Works) WWTW	20 • Tweespruit WWTW • Kestel WWTW • MaP LM (Makwane) WWTW • Nketoana LM (Reitz) WWTW • Dihlabeng LM (Bethlehem) WWTW • Setsoto LM (Ficksburg) WWTW • Ngwathe LM (Heilbron) WWTW • Moqhaka LM (Viljoenskroon) WWTW • Mafube LM Cornelia WWTW • Matjhabeng LM (Ventersburg) WWTW • Matjhabeng LM (Phomolong) WWTW • Matjhabeng LM (Virginia) WWTW • Masilonyana LM (Winburg) WWTW • Tswelopele LM (Hoopstad) WWTW • Letsemeng LM (Luckhoff) WWTW • Kopanong LM (Edenburg) WWTW • Kopanong LM (Philipolis) WWTW • Mohokare LM (Zastron) WWTW • Mangaung Metro (Sterkwater) WWTW • Mangaung Metro (Dewetsdorp) WWTW	19 • Mantsopa LM (Thaba Patswa) WWTW • MaP LM (Phuthaditjhaba) WWTW • MaP LM (Moeding) WWTW • Nketoana LM (Lindley WWTW • Dihlabeng LM (Clarens) WWTW • Setsoto LM (Senekal) WWTW • Ngwathe LM (Koppies) WWTW • Metsimaholo LM (Deneysville) WWTW • Matjhabeng LM (Witpan) WWTW • Matjhabeng LM (Thabong) WWTW • Matjhabeng LM (Theronia) WWTW • Nala LM (Wesselsbrown) WWTW • Letsemeng LM (Jacobsdal) WWTW and pump stations • Kopanong LM (Trompsburg) WWTW • Kopanong LM (Fauresmith) WWTW • Kopanong LM (Jaggersfontein) WWTW • Mangaung Metro (Soutpan) WWTW • Mangaung Metro (Welvaart) WWTW • Mangaung Metro (Thaba Nchu) WWTW

Province	Total number	Performance delivery list of systems per quarter			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Gauteng	33	9 • Babelegi WWTW • Baviaanspoort WWTW • Bronkhorstspruit WWTW • Ekangala WWTW • Klipgat WWTW • Daspoort WWTW • Rayton WWTW • Refilwe WWTW • Rietgat WWTW	8 • Rooiwal Northern Works WWTW • Rooiwal Eastern Works WWTW • Kokosi WWTW • Wedela WWTW • Klipplaatdrift WWTW • Temba WWTW • Rietspruit WWTW • Sebokeng WWTW	8 • Flip Human WWTW • Percy Steward WWTW • Sandspruit WWTW • Summer Place WWTW • Sunderland Ridge WWTW • Zeekoegat WWTW • Khutsong WWTW • Olifantsfontein WWTW	8 • Hannes van Niekerk WWTW • Randfontein WWTW • Oheni Muri WWTW • Waterval WWTW • Bantubonke WWTW • Ennerdale WWTW • Bushkoppies WWTW • Ancor WWTW
KZN	45	13 • Verulam WWTW • Northern WWTW • Umhlatuzana WWTW • UMhlanga WWTW • New Germany WWTW • Phoenix WWTW • Kwandengezi WWTW • KwaMashu WWTW • Gledhow WWTW • Sundumbili WWWTW • Vukile WWTW • Montebello Hospital • Maphumulo Hospital	11 • Munster WWTW • Gamalakhe WWTW • Ramsgate WWTW • Palm beach WWTW • Malangeni WWTW • Umzinto WWTW • Scottburgh WWTW • Red Dessert WWTW • Uvongo WWTW • Pennington WWTW • Melville WWTW	12 • Bethesda Hospital WWTW • Hlabisa Hospital WWTW • Manguzi Hospital WWTW • Matubatuba Hospital WWTW • St Lucia ponds • Hluhluwe WWTW • Pomeroy WWTW • Dundee Ponds • Oceanview WWTW • Dinuzulu WWTW • Mtunzini WWTW • Madadeni WWTW	9 • Ladysmith WWTW • Winterton WWTW • Ezakheni WWTW • Estcourt WWTW • Nkonjeni WWTW • Pongola WWTW • Itshelejuba Hospital WWTW • James Nxumalo College • eDumbe WWTW.

Province	Total number	Performance delivery list of systems per quarter			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Limpopo	56	14 • Senwabarwana Ponds • Seshego WWTW • Tubatse WWTW • Burgersfort WWTW • Marble Hall WWTW • Elandskraal WWTW • Lulekani WWTW • Namakgale WWTW • Witpoort Ponds • Zongesien(Marapong) Ponds • Thabazimbi WWTW • Elim WWTW • Vleifontein Ponds • Waterval Ponds	18 • Lebowakgomo ASP • Polokwane WWTW • Mankweng WWTW • Nebo WWTW • Phokwane WWTW • Monsterlus (Hlogotlou) WWTW • Motetema WWTW • Penge WWTW • Lenyenye WWTW • Modimolle WWTW • Mokopane WWTW • Masodi ponds • Bela Bela WWTW • Radium Ponds • Nancefield WWTW • Musina WWTW • Mutale Ponds • Thohoyandou WWTW	13 • Siloam ponds • Vuwani Ponds • Makhado WWTW • Paarl WWTW • Northam Ponds • Mookgopong WWTW • Vaalwater Ponds • Alldays WWTW • Dennilton WWT • Groblersdal WWTW • Leeufontein (Moganyaka) WWTW • Phalaborwa WWTW • Nkowankowa WWTW	11 • Mhinga Ponds • Malamulele WWTW • Thusang Ponds • Sekgakgapeng Ponds • Rebone Ponds • Kgapane WWTW • Giyani WWTW • Rosenekaal WWTW • Mecklenberg (Moroke) ponds • Lebowakgomo Ponds • Mongwadi ponds
Mpumalanga	40	11 • Mkhuhlu WWTW • Thulamahashe WWTW • Maviljan WWTW • Tintswalo WWTW • Carolina WWTW • Elukwatini WWTW • Mpuluzi/Mayflower WWTW • Badplaas WWTW • Umjindi WWTW • Grootvlei Eskom WWTW • Grootvlei Mine WWTW	10 • Vaalbank WWTW • Amersfoort WWTW • Perdekop WWTW • Volkrust WWTW • Vukuzaskhe WWTW • Wakkerstroom • Belfast WWTW • Waterval Boven WWTW • Kriel _Ganala WWTW • Riverview WWTW	9 • Bethal WWTW • Embalenlhe WWTW • Standerton WWTW • Morgenzon WTW • Mkhondo/ Piet Retief WWTW • Breyton WWTW • Davel WWTW • Lothair WWTW • Breyton Ponds WWTW	10 • Komatipoort WWTW • Mhlathikop WWTW • Boskrans WWTW • Lydenburg WWTW • KwaMhlanga Ponds East • KwaMhlanga Ponds West • Tweefontein WWTW • Kwa Mhlanga North WWTW • Botleng WWTW • Delmas WWTW

Province	Total number	Performance delivery list of systems per quarter			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Northern Cape	40	10 • Homevale WWTW • Prieska WWTW • Carolusberg • WWTW Kakamas • WWTW Bergsig • WWTW Springbok • WWTW Colesberg • WWTW Norvalspont • WWTW Nouport • WWTW Danielskuil	11 • Jan Kempdorp WWTW • Pampierstad WWTW • Louisvaleweg WWTW • Kameelmond WWTW • Loubos WWTW • Warrenton WWTW • Williston WWTW • Vanderkloof WWTW • Britstown WWTW • De Aar WWTW • Hanover WWTW	10 • Brandboom WWTW • Groblershoop WWTW • Calvinia WWTW • Olifantshoek WWTW • Kathu WWTW • Van Zylsrus WWTW • Hotazel WWTW • Kamieskroon WWTW • Garies WWTW • Kuruman WWTW	9 • Hopetowm WWTW • (New and Old Ponds) Vosburg WWTW • Postmasburg WWTW • Jen-Heaven WWTW • Douglas WWTW • Griekwastad WWTW • Loxton WWTW • Victoria West WWTW • Barkly West WWT
North West	39	9 • Mafikeng WWTW • Mmabatho WWTW • Zeerust WWTW • Groot Marico WWTW • Lehurutshe WWTW • Lichtenburg WWTW • Itsoseng WWTW • Coligny WWTW • Sannieshof WWTW	10 • Klerskdorp WWTW • Stilfontein WWTW • Orkney WWTW • Hartbeesfontein WWTW • Ottosdal WWTW • Wolmaranstad WWTW • Ralukganang WWTW • Leeudoringstad WWTW • Ventersdorp WWTW • Potchefstroom WWTW	8 • Vryburg WWTW • Schweizer-Reneke WWTW • Dalerayville WWTW • Taung WWTW • Ganyesa WWTW • Christiana WWTW • Bloemhof WWTW • Revelio	12 • Brits WWTW • Mothotlung WWTW • Rietfontein WWTW • Letlabile WWTW • Rustenburg WWTW • Boitekong WWTW • Monakato WWTW • Swartrrugens WWTW • Koster Oxidation pond system • Koster new plant • Swartdam WWTW • Moses Kotane (Mogwase) WWTW

Province	Total number	Performance delivery list of systems per quarter			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Western Cape	56	26 • Piketberg • Velddrif • Grootbrak • Pinnacle Point • Ashton • Bonnievale • Robertson • Citrusdal • Clanwilliam • Lamberts Bay • Athlone • Potsdam • Scottsdene • Laingville • Shelly Point • Vredenburg • Beaufort West • Murraysburg • Botrivier • Caledon • Grabouw • Riviersonderend • Genadendal • Villiersdorp • Albertinia • Heidelberg	10 • Klawer • Vredendal North • Vredendal South • Prince Albert • Bredasdorp • Arniston • Oudtshoorn • Bellville • Paarl • Wellington	8 • Riebeek Valley • Moorreesburg • Macassar • Zandvliet • Outeniqua • Wolseley • Stanford • Hermanus	12 • Pniel • Raithby • Stellenbosch • Wemmershoek • Klipperivier • Cape Flats • Borcherds Quarry • Calitzdorp • Zoar • Ladismtih • Van Wyksdorp • Knysna
Sub-total	**408**	117	104	92	95

PPI 5.3.1 Number of water supply systems assessed for compliance with the Blue Drop Regulatory requirements

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
1	Eastern Cape	Alfred Nzo District Municipality	Matatiele LM - Belfort TW	561	Mpumalanga	Mbombela/ Umjindi	Karino (TW Sembcorp Silulumanzi)
2	Eastern Cape	Alfred Nzo District Municipality	Matatiele LM - Matatiele TW	562	Mpumalanga	Mbombela/ Umjindi	Matsulu (Matsulu TW - Sembcorp Silulumanzi)
3	Eastern Cape	Alfred Nzo District Municipality	Mbizana LM - Nomlacu	563	Mpumalanga	Mbombela/ Umjindi	MP323: Emjindini Trust water supply scheme (Boreholes)
4	Eastern Cape	Alfred Nzo District Municipality	Ntabankulu LM - Ntabankulu TW	564	Mpumalanga	Mbombela/ Umjindi	MP323:Rimer`s water treatment works / Barberton water scheme
5	Eastern Cape	Alfred Nzo District Municipality	Umzimvubu LM- Kwabhaca TW (Mt Frere)	565	Mpumalanga	Mbombela/ Umjindi	MP323:Sheba water supply scheme
6	Eastern Cape	Alfred Nzo District Municipality	Umzimvubu LM- Mount Ayliff TW	566	Mpumalanga	Mbombela/ Umjindi	Nelspruit (Nelspruit Old & New TW - Sembcorp Silulumanzi)
7	Eastern Cape	Amathole District Municipality	Amahlathi LM - Kei Road	567	Mpumalanga	Mbombela/ Umjindi	Nsikazi South supply system (Rand Water Mpumalanga - Bulk) (Sembcorp - Reticulation) (MLM - Reticulation)
8	Eastern Cape	Amathole District Municipality	Amahlathi LM- Cathcart	568	Mpumalanga	Mbombela/ Umjindi	Rand Water Mpumalaga Mbombela -Mjejane Supply System
9	Eastern Cape	Amathole District Municipality	Amahlathi LM- Stutterheim	569	Mpumalanga	Mbombela/ Umjindi	Rand Water Mpumalanga Mbombela -Legogote Supply System
10	Eastern Cape	Amathole District Municipality	Binfield Network Supply	570	Mpumalanga	Mbombela/ Umjindi	Rand Water Mpumalanga Mbombela -Nyongane River Scheme
11	Eastern Cape	Amathole District Municipality	Debe Nek Network Supply	571	Mpumalanga	Mbombela/ Umjindi	Rand Water Mpumalanga Mbombela-Dwaleni Supply System
12	Eastern Cape	Amathole District Municipality	Glenmore Network Supply	572	Mpumalanga	Mbombela/ Umjindi	Rand Water Mpumulanga Mbombela - Mshadza Supply System

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13	Eastern Cape	Amathole District Municipality	Great Kei LM - Kei Bridge WTW	573	Mpumalanga	Mbombela/ Umjindi	Tekwane (Primkop TW - Sembcorp Silulumanzi)
14	Eastern Cape	Amathole District Municipality	Great Kei LM- Chintsa East	574	Mpumalanga	Mbombela/ Umjindi	White River (White River TW)
15	Eastern Cape	Amathole District Municipality	Great Kei LM- Haga- Haga	575	Mpumalanga	Mbombela/ Umjindi	White River Country Estates (White River CE TW)
16	Eastern Cape	Amathole District Municipality	Great Kei LM- Kei Mouth	576	Mpumalanga	Mkhondo Local Municipality	Amsterdam Water Supply System
17	Eastern Cape	Amathole District Municipality	Great Kei LM- Morgans Bay	577	Mpumalanga	Mkhondo Local Municipality	Mkhondo Water Supply System
18	Eastern Cape	Amathole District Municipality	Masincedane Network Supply	578	Mpumalanga	Mkhondo Local Municipality	Rural Water Supply System
19	Eastern Cape	Amathole District Municipality	Mbashe LM- Cwebe	579	Mpumalanga	Mkhondo Local Municipality	Saul Mkhize Water Supply System
20	Eastern Cape	Amathole District Municipality	Mbashe LM- Dutywa	580	Mpumalanga	Msukaligwa Local Municipality	Breyten water treatment works
21	Eastern Cape	Amathole District Municipality	Mbashe LM- Dwesa	581	Mpumalanga	Msukaligwa Local Municipality	Davel water teatment works
22	Eastern Cape	Amathole District Municipality	Mbashe LM- Elliotdale	582	Mpumalanga	Msukaligwa Local Municipality	Douglas dam water works
23	Eastern Cape	Amathole District Municipality	Mbashe LM - Mendu	583	Mpumalanga	Msukaligwa Local Municipality	Eskom Camden
24	Eastern Cape	Amathole District Municipality	Mbashe LM - Willowvale	584	Mpumalanga	Msukaligwa Local Municipality	Lothair water treatment works
25	Eastern Cape	Amathole District Municipality	Mbhashe LM - Qwaninga WTW	585	Mpumalanga	Msukaligwa Local Municipality	South works (Nooitgedacht farm)
26	Eastern Cape	Amathole District Municipality	Mbhashe LM- Mbhashe North WTW	586	Mpumalanga	Nkomazi Local Municipality	Driekoppies/ Shoemansdal/ Buffelspruit/ Shongwe WSS
27	Eastern Cape	Amathole District Municipality	Mbhashe LM- Nqadu WTW	587	Mpumalanga	Nkomazi Local Municipality	Fig Tree/ Masibekele WSS

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28	Eastern Cape	Amathole District Municipality	Mnquma LM - Ngqamakwe WTW	588	Mpumalanga	Nkomazi Local Municipality	Hectorspruit WSS
29	Eastern Cape	Amathole District Municipality	Mnquma LM - Kotana -Ehlobo	589	Mpumalanga	Nkomazi Local Municipality	Komatipoort WSS
30	Eastern Cape	Amathole District Municipality	Mnquma LM- Qolorha	590	Mpumalanga	Nkomazi Local Municipality	Langeloop WSS
31	Eastern Cape	Amathole District Municipality	Mnquma LM- Tholeni	591	Mpumalanga	Nkomazi Local Municipality	Low Creek WSS
32	Eastern Cape	Amathole District Municipality	Mnquma LM-Butterworth WTW	592	Mpumalanga	Nkomazi Local Municipality	Madadeni WSS
33	Eastern Cape	Amathole District Municipality	Nkonkobe LM - Alice WTW	593	Mpumalanga	Nkomazi Local Municipality	Magudu WSS
34	Eastern Cape	Amathole District Municipality	Nkonkobe LM - Fort Beaufort WTW	594	Mpumalanga	Nkomazi Local Municipality	Malalane WSS
35	Eastern Cape	Amathole District Municipality	Nkonkobe LM- Hogsback	595	Mpumalanga	Nkomazi Local Municipality	Marloth Park WSS
36	Eastern Cape	Amathole District Municipality	Nkonkobe LM- Seymor	596	Mpumalanga	Nkomazi Local Municipality	Mbuzini WSS
37	Eastern Cape	Amathole District Municipality	Nxuba LM- Adelaide	597	Mpumalanga	Nkomazi Local Municipality	Naas/ Block C WSS
38	Eastern Cape	Amathole District Municipality	Nxuba LM- Bedford	598	Mpumalanga	Nkomazi Local Municipality	Ntunda WSS
39	Eastern Cape	Blue Crane Route Local Municipality	Cookhouse	599	Mpumalanga	Nkomazi Local Municipality	Nyathi WSS
40	Eastern Cape	Blue Crane Route Local Municipality	Pearston	600	Mpumalanga	Nkomazi Local Municipality	Sibange WSS
41	Eastern Cape	Blue Crane Route Local Municipality	Sommerset East	601	Mpumalanga	Nkomazi Local Municipality	Tonga WSS
42	Eastern Cape	Buffalo City Local Municipality	Hanover	602	Mpumalanga	Pixley Ka Seme Local Municipality	Amersfoort

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43	Eastern Cape	Buffalo City Local Municipality	Kei Road System	603	Mpumalanga	Pixley Ka Seme Local Municipality	Volkrust WTW
44	Eastern Cape	Buffalo City Local Municipality	Kidds Beach (borehole) scheme	604	Mpumalanga	Pixley Ka Seme Local Municipality	Vukuzakhe
45	Eastern Cape	Buffalo City Local Municipality	King Williams Town (KWT Water Treatment Works)	605	Mpumalanga	Pixley Ka Seme Local Municipality	Wakkerstroom
46	Eastern Cape	Buffalo City Local Municipality	Laing Network Supply	606	Mpumalanga	Steve Tshwete Local Municipality	Aventura Forever Loskopdam WSS
47	Eastern Cape	Buffalo City Local Municipality	Majali (borehole) system	607	Mpumalanga	Steve Tshwete Local Municipality	Borehole: Doornkop #1 CPA WSS
48	Eastern Cape	Buffalo City Local Municipality	Mdantsane Supply Scheme (Umz, Nahoon, Laing)	608	Mpumalanga	Steve Tshwete Local Municipality	Borehole: Mafube/ Sikhululiwe WSS
49	Eastern Cape	Buffalo City Local Municipality	Ncera (borehole) supply	609	Mpumalanga	Steve Tshwete Local Municipality	Borehole: Bankfontein/ Somaphepa WSS
50	Eastern Cape	Buffalo City Local Municipality	Peddie Supply Scheme	610	Mpumalanga	Steve Tshwete Local Municipality	ESKOM: Arnot/ Rietkuil WSS
51	Eastern Cape	Buffalo City Local Municipality	Sandile Network Supply	611	Mpumalanga	Steve Tshwete Local Municipality	ESKOM: Hendrina Power Station WSS (Pullenshope)
52	Eastern Cape	Buffalo City Local Municipality	Umzonyana WTW (East London)	612	Mpumalanga	Steve Tshwete Local Municipality	ESKOM: Komati/ Blinkpan WSS
53	Eastern Cape	Chris Hani District Municipality	Emalahleni LM - Indwe Supply System	613	Mpumalanga	Steve Tshwete Local Municipality	Kranspoort Vakansiedorp WSS
54	Eastern Cape	Chris Hani District Municipality	Emalahleni LM - Machubeni Supply System	614	Mpumalanga	Steve Tshwete Local Municipality	Middelburg/ Mhluzi WSS
55	Eastern Cape	Chris Hani District Municipality	Emalahleni LM - Dordrecht Supply System	615	Mpumalanga	Steve Tshwete Local Municipality	Presidentsrus WSS
56	Eastern Cape	Chris Hani District Municipality	Engcobo - Engcobo Town Supply System	616	Mpumalanga	Steve Tshwete Local Municipality	Steve Tshwete/ Hendrina WSS-Optimum Coal
57	Eastern Cape	Chris Hani District Municipality	Engcobo-Nkobongo Supply System	617	Mpumalanga	Steve Tshwete Local Municipality	STLM/ Middelburg Colliery WSS

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58	Eastern Cape	Chris Hani District Municipality	Inkwanca - Molteno supply system	618	Mpumalanga	Thaba Chweu Local Municipality	Coromandel Water Treatment Plant
59	Eastern Cape	Chris Hani District Municipality	Inkwanca - Sterkstroom supply system	619	Mpumalanga	Thaba Chweu Local Municipality	Graskop Water Supply System
60	Eastern Cape	Chris Hani District Municipality	Intsika Yethu - Tsojana Supply System	620	Mpumalanga	Thaba Chweu Local Municipality	Lydenburg Water Treatment Plant
61	Eastern Cape	Chris Hani District Municipality	Intsika Yethu -Tsomo Service System	621	Mpumalanga	Thaba Chweu Local Municipality	Rural Water Supply System
62	Eastern Cape	Chris Hani District Municipality	Inxuba Yethemba - Cradock Supply System	622	Mpumalanga	Thaba Chweu Local Municipality	Sabie Water Supply System
63	Eastern Cape	Chris Hani District Municipality	Inxuba Yethemba - Middelburg Supply System-Treated	623	Mpumalanga	Thembisile Local Municipality	Machipe (Goederede)
64	Eastern Cape	Chris Hani District Municipality	Lukhanji - Queenstown Supply System	624	Mpumalanga	Thembisile Local Municipality	Engwenyameni (Klipfontein)
65	Eastern Cape	Chris Hani District Municipality	Lukhanji - Whittlesea Supply System	625	Mpumalanga	Thembisile Local Municipality	Kwaggafontein System
66	Eastern Cape	Chris Hani District Municipality	Sakhisizwe - Cala Supply System	626	Mpumalanga	Thembisile Local Municipality	Kwamhlanga
67	Eastern Cape	Chris Hani District Municipality	Sakhisizwe - Elliot Supply Sytem	627	Mpumalanga	Thembisile Local Municipality	Langkloof
68	Eastern Cape	Chris Hani District Municipality	Sakhisizwe-Cala Package System	628	Mpumalanga	Thembisile Local Municipality	Moloto
69	Eastern Cape	Chris Hani District Municipality	Tsolwana: Hofmeyer Supply System	629	Mpumalanga	Thembisile Local Municipality	Thembalethu
70	Eastern Cape	Chris Hani District Municipality	Tsolwana: Ntabethemba Supply System	630	Mpumalanga	Victor Khanye Local Municipality	Victor Khanye Water
71	Eastern Cape	Chris Hani District Municipality	Tsolwana: Tarkastad Supply System	631	Mpumalanga	Victor Khanye Local Municipality	Delmas Rand Water
72	Eastern Cape	Dr Beyers Naude	Camdeboo LM-Aberdeen	632	North West	Dr. Ruth S Mompati District Municipality	Bogosing (Greater Taung LM - Managed by Sedibeng Water)

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73	Eastern Cape	Dr Beyers Naude	Ikhwezi LM- Jansenville	633	North West	Dr. Ruth S Mompati District Municipality	Buxton (Greater Taung LM Borehole_ Sedibeng Water)
74	Eastern Cape	Dr Beyers Naude	Ikhwezi LM- Klipplaat	634	North West	Dr. Ruth S Mompati District Municipality	Dikhuting (Greater Taung LM Boreholes_Sedibeng Water)
75	Eastern Cape	Dr Beyers Naude	Ikhwezi LM- Waterford	635	North West	Dr. Ruth S Mompati District Municipality	Draaihoek (Greater Taung LM Borehole_ Sedibeng Water)
76	Eastern Cape	Dr Beyers Naude	Ikhwezi LM- Wolwefontein	636	North West	Dr. Ruth S Mompati District Municipality	Granspan (Greater Taung LM Boreholes_Sedibeng Water)
77	Eastern Cape	Dr Beyers Naude	Baviaans LM- Miller	637	North West	Dr. Ruth S Mompati District Municipality	Highlandspan (Greater Taung LM Boreholes_Sedibeng Water)
78	Eastern Cape	Dr Beyers Naude	Baviaans LM- Rietbron	638	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, Bray (Kagisano Boreholes)
79	Eastern Cape	Dr Beyers Naude	EC107: Sewefontein	639	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, Molopo (Boreholes - Water)
80	Eastern Cape	Dr Beyers Naude	Baviaans LM- Steytleville	640	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, De Aar (Boreholes)
81	Eastern Cape	Dr Beyers Naude	Baviaans LM- Vondeling	641	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, Dihetshwe (Boreholes - Sedibeng Water)
82	Eastern Cape	Dr Beyers Naude	Baviaans LM- Willowmore	642	North West	Dr. Ruth S Mompati District Municipality	Karelstad (Greater Taung LM Borehole_ Sedibeng Water)
83	Eastern Cape	Dr Beyers Naude	EC107: Zaaimanshoek	643	North West	Dr. Ruth S Mompati District Municipality	Kgomotso (Greater Taung LM - Managed by Sedibeng)
84	Eastern Cape	Dr Beyers Naude	Camdeboo LM-Graaf-Reinet	644	North West	Dr. Ruth S Mompati District Municipality	Khaukwe (Greater Taung LM Borehole_ Sedibeng Water)
85	Eastern Cape	Dr Beyers Naude	Camdeboo LM-Nieu-Bethesda	645	North West	Dr. Ruth S Mompati District Municipality	Khudutlou (Greater Taung LM Boreholes_Sedibeng Water)
86	Eastern Cape	Joe Gqabi District Municipality	Elundini LM - Maclear (Aucamp WTP) and (Mooiriver WTW)	646	North West	Dr. Ruth S Mompati District Municipality	Kokomeng (Greater Taung LM Boreholes-Sedibeng Water)
87	Eastern Cape	Joe Gqabi District Municipality	Elundini LM - Maclear Rural (Boreholes & Springs)	647	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, Kokwana (Boreholes - Sedibeng Water)

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88	Eastern Cape	Joe Gqabi District Municipality	Elundini LM - Ugie (Ugie WTP)	648	North West	Dr. Ruth S Mompati District Municipality	Kolong (Greater Taung LM Boreholes_Sedibeng Water)
89	Eastern Cape	Joe Gqabi District Municipality	Elundini LM - Ugie Rural (Boreholes & Springs)	649	North West	Dr. Ruth S Mompati District Municipality	Lekwa-Teemane LM - Bloemhof
90	Eastern Cape	Joe Gqabi District Municipality	Elundini LM -Mount Fletcher Rural (Boreholes & Springs)	650	North West	Dr. Ruth S Mompati District Municipality	Lekwa-Teemane LM - Christiana
91	Eastern Cape	Joe Gqabi District Municipality	Elundini LM -Mt Fletcher (Mount Fletcher WTP)	651	North West	Dr. Ruth S Mompati District Municipality	Leshobo (Greater Taung LM Borehole Sedibeng Water)
92	Eastern Cape	Joe Gqabi District Municipality	Gariep LM - Burgersdorp (Burgersdorp WTP)	652	North West	Dr. Ruth S Mompati District Municipality	Lokgabeng (Greater Taung LM Borehole Sedibeng Water)
93	Eastern Cape	Joe Gqabi District Municipality	Gariep LM - Oviston (Oviston WTP)	653	North West	Dr. Ruth S Mompati District Municipality	Loselong (Greater Taung LM Borehole Sedibeng Water)
94	Eastern Cape	Joe Gqabi District Municipality	Gariep LM - Steynsburg (Steynsburg WTW)	654	North West	Dr. Ruth S Mompati District Municipality	Lokgeng (Kagisano Molopo LM Boreholes – Sedibeng Water)
95	Eastern Cape	Joe Gqabi District Municipality	Gariep LM - Teebus (DWA Boreholes)	655	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, Longaneng (Boreholes – Sedibeng Water)
96	Eastern Cape	Joe Gqabi District Municipality	Maletswai LM - Aliwal North (Aliwal North WTP)	656	North West	Dr. Ruth S Mompati District Municipality	Lothwanyeng (Greater Taung LM Boreholes Sedibeng Water)
97	Eastern Cape	Joe Gqabi District Municipality	Maletswai LM - Jamestown (Jamestown WTP)	657	North West	Dr. Ruth S Mompati District Municipality	Lotlhapong (Greater Taung LM Borehole Sedibeng Water)
98	Eastern Cape	Joe Gqabi District Municipality	Senqu LM - Barkly East (Barkly East WTP)	658	North West	Dr. Ruth S Mompati District Municipality	Madipelesa (Greater Taung LM Boreholes_ Sedibeng Water)
99	Eastern Cape	Joe Gqabi District Municipality	Senqu LM - Lady Grey (Lady Grey WTW)	659	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, Maagetlwa (Boreholes - Sedibeng Water)
100	Eastern Cape	Joe Gqabi District Municipality	Senqu LM - Rhodes (Rhodes WTP)	660	North West	Dr. Ruth S Mompati District Municipality	Maheng (Kagisano Molopo LM Boreholes: Managed by Sedibeng Water)
101	Eastern Cape	Joe Gqabi District Municipality	Senqu LM - Rossouw Police (Borehole)	661	North West	Dr. Ruth S Mompati District Municipality	Majeakgoro (Greater Taung LM - Managed by Sedibeng Water)
102	Eastern Cape	Joe Gqabi District Municipality	Senqu LM - Sterkspruit Rural (Boreholes & Springs)	662	North West	Dr. Ruth S Mompati District Municipality	Makwating (Greater Taung LM Boreholes- Sedibeng Water)

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103	Eastern Cape	Joe Gqabi District Municipality	Senqu LM -Jozana (Jozana WTP)	663	North West	Dr. Ruth S Mompati District Municipality	Mamasokwane (Greater Taung LM Boreholes Sedibeng Water)
104	Eastern Cape	Joe Gqabi District Municipality	Senqu LM -Rossouw (Boreholes)	664	North West	Dr. Ruth S Mompati District Municipality	Mamusa LM (Boreholes, Reseivoirs - Mamusa LM)
105	Eastern Cape	Joe Gqabi District Municipality	Senqu LM -Sterkspruit (Sterkspruit WTP)	665	North West	Dr. Ruth S Mompati District Municipality	Manokwane (Greater Taung LM Boreholes-Sedibeng Water)
106	Eastern Cape	Kouga Local Municipality	Hankey	666	North West	Dr. Ruth S Mompati District Municipality	Manthe (Greater Taung LM Boreholes-Sedibeng Water)
107	Eastern Cape	Kouga Local Municipality	Humansdorp	667	North West	Dr. Ruth S Mompati District Municipality	Matlapaneng (Greater Taung LM Borehole- Sedibeng Water)
108	Eastern Cape	Kouga Local Municipality	Jeffreys Bay	668	North West	Dr. Ruth S Mompati District Municipality	Matsheng (Greater Taung LM Boreholes-Sedibeng Water)
109	Eastern Cape	Kouga Local Municipality	Loerie	669	North West	Dr. Ruth S Mompati District Municipality	Mocweding (Greater Taung LM Borehole- Sedibeng Water)
110	Eastern Cape	Kouga Local Municipality	Oyster Bay	670	North West	Dr. Ruth S Mompati District Municipality	Modimong/ Madibaneng (Greater Taung LM Boreholes-Sedibeng Water)
111	Eastern Cape	Kouga Local Municipality	Patensie	671	North West	Dr. Ruth S Mompati District Municipality	Mokasa 1 (Greater Taung LM Borehole- Sedibeng Water)
112	Eastern Cape	Kouga Local Municipality	St. Francis Bay	672	North West	Dr. Ruth S Mompati District Municipality	Mokasa 2 (Greater Taung LM Borehole- Sedibeng Water)
113	Eastern Cape	Kouga Local Municipality	Thornhill	673	North West	Dr. Ruth S Mompati District Municipality	Mokgareng (Greater Taung LM Borehole- Sedibeng Water)
114	Eastern Cape	Kou-Kamma Local Municipality	Bilikiesdorp	674	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM, Molelema (Boreholes - Sedibeng Water)
115	Eastern Cape	Kou-Kamma Local Municipality	Clarkson	675	North West	Dr. Ruth S Mompati District Municipality	Kagisano-Molopo LM, Morokweng (Boreholes - Sedibeng Water)
116	Eastern Cape	Kou-Kamma Local Municipality	Coldstream	676	North West	Dr. Ruth S Mompati District Municipality	Naledi LM (Boreholes/ Reservoirs - Naledi LM)
117	Eastern Cape	Kou-Kamma Local Municipality	Joubetina	677	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM- Ntshwanahatshe Boreholes

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118	Eastern Cape	Kou-Kamma Local Municipality	Kareedouw	678	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM- Picong Boreholes
119	Eastern Cape	Kou-Kamma Local Municipality	Krakeel	679	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM- Pudimoe
120	Eastern Cape	Kou-Kamma Local Municipality	Louterwater	680	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM- Qho
121	Eastern Cape	Kou-Kamma Local Municipality	Misgund	681	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM- Reivilo
122	Eastern Cape	Kou-Kamma Local Municipality	Sanddrif	682	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM- Rietfontein
123	Eastern Cape	Kou-Kamma Local Municipality	Storms River	683	North West	Dr. Ruth S Mompati District Municipality	Greater Taung LM- Sedibeng Borehole
124	Eastern Cape	Kou-Kamma Local Municipality	Woodlands	684	North West	Dr. Ruth S Mompati District Municipality	Setlhabeng (Greater Taung LM Boreholes-Sedibeng Water)
125	Eastern Cape	Makana Local Municipality	Alicedale	685	North West	Dr. Ruth S Mompati District Municipality	Takaneng (Greater Taung LM Borehole- Sedibeng Water)
126	Eastern Cape	Makana Local Municipality	Grahamstown	686	North West	Dr. Ruth S Mompati District Municipality	Takapori (Greater Taung LM Borehole- Sedibeng Water)
127	Eastern Cape	Makana Local Municipality	Riebeeck East	687	North West	Dr. Ruth S Mompati District Municipality	Tamasikwa (Greater Taung LM Borehole)
128	Eastern Cape	Ndlambe Local Municipality	Albany Coast network	688	North West	Dr. Ruth S Mompati District Municipality	Tlapeng 1&2 (Greater Taung LM Boreholes-Sedibeng Water)
129	Eastern Cape	Ndlambe Local Municipality	Alexandria WTW	689	North West	Dr. Ruth S Mompati District Municipality	Tosca (Kagisano Molopo LM)
130	Eastern Cape	Ndlambe Local Municipality	Bathurst WTW	690	North West	Dr. Ruth S Mompati District Municipality	Vaaltuin (Greater Taung LM Boreholes- Sedibeng Water)
131	Eastern Cape	Ndlambe Local Municipality	Cannon Rock WTW	691	North West	Kgetlengrivier Local Municipality	Derby B/H
132	Eastern Cape	Ndlambe Local Municipality	Port Alfred	692	North West	Kgetlengrivier Local Municipality	Koster

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133	Eastern Cape	Ndlambe Local Municipality	Seafield / Kleinemonde	693	North West	Kgetlengrivier Local Municipality	Swartruggens
134	Eastern Cape	Nelson Mandela Metropolitan Municipality	Nelson Mandela Metropolitan Municipality	694	North West	Local Municipality of Madibeng	Brits water treatment plant
135	Eastern Cape	O.R.Tambo District municipality	Buthongweni	695	North West	Local Municipality of Madibeng	Hartbeespoort
136	Eastern Cape	O.R.Tambo District municipality	Coffee Bay WTW	696	North West	Local Municipality of Madibeng	Rand Water
137	Eastern Cape	O.R.Tambo District Municipality	Corana WTW	697	North West	Maquassi Hills Local Municipality	Leeudoringstad-Witpoort System
138	Eastern Cape	O.R.Tambo District Municipality	Flagstaff WTW	698	North West	Maquassi Hills Local Municipality	Tswellelang-Lebaleng System
139	Eastern Cape	O.R.Tambo District Municipality	Ingquza Hill LM- BH	699	North West	Maquassi Hills Local Municipality	Wolmaransstad Borehole System
140	Eastern Cape	O.R.Tambo District Municipality	KSD LM -BH	700	North West	Matlosana Local Municipality	City of Matlosana
141	Eastern Cape	O.R.Tambo District Municipality	Lusikisiki WTW	701	North West	Moretele Local Municipality	Temba Treatment plant
142	Eastern Cape	O.R.Tambo District Municipality	Lutsheko WTW	702	North West	Moses Kotane Local Municipality	Madikwe water treament plant
143	Eastern Cape	O.R.Tambo District Municipality	Mdlankala WTW	703	North West	Moses Kotane Local Municipality	Molatedi water treatment plant
144	Eastern Cape	O.R.Tambo District Municipality	Mhlahlane WTW	704	North West	Moses Kotane Local Municipality	Pella water treatment works
145	Eastern Cape	O.R.Tambo District Municipality	Mhlanga WTW	705	North West	Moses Kotane Local Municipality	Vaalkop water treatment plant
146	Eastern Cape	O.R.Tambo District Municipality	Mhlontlo LM-BH	706	North West	Ngaka Modiri Molema District Municipality	Ditsobotla LM-Itsoseng
147	Eastern Cape	O.R.Tambo District Municipality	Mqanduli WTW	707	North West	Ngaka Modiri Molema District Municipality	NMMDM Mafikeng LM Mmabatho

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
148	Eastern Cape	O.R.Tambo District Municipality	Mvumelwano WTW	708	North West	Ngaka Modiri Molema District Municipality	Ramotshere Moiloa: Dinokana + Lehurutshe
149	Eastern Cape	O.R.Tambo District Municipality	Ngqeleni WTW	709	North West	Ngaka Modiri Molema District Municipality	Ramotshere Moiloa: Motswedi + Gopane
150	Eastern Cape	O.R.Tambo District Municipality	Nyandeni LM -BH	710	North West	Ngaka Modiri Molema District Municipality	Ramotshere-Moiloa Great Marico Package Plant
151	Eastern Cape	O.R.Tambo District Municipality	Port St Johns WTW	711	North West	Ngaka Modiri Molema District Municipality	Ratlou: Kraaipan Cluster B/H
152	Eastern Cape	O.R.Tambo District Municipality	PSJ LM-BH	712	North West	Ngaka Modiri Molema District Municipality	Ratlou: Madibogo B/H
153	Eastern Cape	O.R.Tambo District Municipality	Sidwadweni WTW	713	North West	Ngaka Modiri Molema District Municipality	Ratlou: Madibogopan B/H
154	Eastern Cape	O.R.Tambo District Municipality	Thornhill WTW	714	North West	Ngaka Modiri Molema District Municipality	Ratlou: Makgobistad B/H
155	Eastern Cape	O.R.Tambo District Municipality	Tsolo WTW	715	North West	Ngaka Modiri Molema District Municipality	Ratlou: Setlagole Cluster B/H
156	Eastern Cape	O.R.Tambo District Municipality	Umzimvubu WTW	716	North West	Ngaka Modiri Molema District Municipality	Tswaing: De Larey B/H
157	Eastern Cape	O.R.Tambo District Municipality	Upper Chulunca WTW	717	North West	Ngaka Modiri Molema District Municipality	Tswaing: Ottosdal B/H
158	Eastern Cape	Sunday's River Valley Local Municipality	Addo WTW	718	North West	Ngaka Modiri Molema District Municipality	Tswaing: Sannieshof- A Town B/H
159	Eastern Cape	Sunday's River Valley Local Municipality	Enon / Bersheba WTW	719	North West	Rustenburg Local Municipality	Marikana System
160	Eastern Cape	Sunday's River Valley Local Municipality	Glenconnor Boreh	720	North West	Rustenburg Local Municipality	Rustenburg North Supply System
161	Eastern Cape	Sunday`s River Valley Local Municipality	Kirkwood WTW	721	North West	Rustenburg Local Municipality	Rustenburg Town System
162	Eastern Cape	Sunday's River Valley Local Municipality	Kleinpoort Borehole	722	North West	Rustenburg Local Municipality	Vaalkop Boitekong

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
163	Eastern Cape	Sunday's River Valley Local Municipality	Paterson Boreholes	723	North West	JB Marks Municipality	Boikhutso Village (Bore Hole Supply System)
164	Free State	Dihlabeng Local Municipality	Bethlehem Water Supply System	724	North West	JB Marks Municipality	Boikhutsong village (Bore Hole Supply System)
165	Free State	Dihlabeng Local Municipality	Clarens Water Supply System	725	North West	JM Marks Municipality	Gamogopa village (Bore Hole Supply System)
166	Free State	Dihlabeng Local Municipality	Fouriesburg Water Supply System	726	North West	JB Marks Municipality	Goedgevonden Village (Bore Hole Supply System)
167	Free State	Dihlabeng Local Municipality	Rosendal Water Supply System	727	North West	JB Marks Municipality	NW402:Potchefstroom (Tlokwe WTW)
168	Free State	Kopanong Local Municipality	Bethulie Supply System (supplied by Bloem Water WSP)	728	North West	JB Marks Municipality	Tsetse village (Borehole Supply System)
169	Free State	Kopanong Local Municipality	Edenburg Supply System (supplied by Bloem Water WSP)	729	North West	JB Marks Municipality	Ventersdorp (Water Treatment Works Supply System)
170	Free State	Kopanong Local Municipality	Fauresmith Supply System (supplied by Bloem Water)	730	North West	JB Marks Municipality	Welgevonden village (Bore Hole Supply System)
171	Free State	Kopanong Local Municipality	Gariep Water Supply System (supplied by Bloem Water)	731	Northern Cape	!Kai! Garib Local Municipality	Alheit
172	Free State	Kopanong Local Municipality	Jagersfontein Supply System (supplied by Bloem Water W)	732	Northern Cape	!Kai! Garib Local Municipality	Aughrabies
173	Free State	Kopanong Local Municipality	Philippolis Supply System (supplied by Bloem Water)	733	Northern Cape	!Kai! Garib Local Municipality	Bloemsmond
174	Free State	Kopanong Local Municipality	Reddersburg Supply System (supplied by Bloem Water WSP)	734	Northern Cape	!Kai! Garib Local Municipality	Cillie
175	Free State	Kopanong Local Municipality	Springfontein Supply System (supplied by Bloem Water)	735	Northern Cape	!Kai! Garib Local Municipality	Currieskamp
176	Free State	Kopanong Local Municipality	Trompsburg Supply System (supplied by Bloem Water)	736	Northern Cape	!Kai! Garib Local Municipality	Kakamas Bulk Water

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
177	Free State	Letsemeng Local Municipality	Jacobsdal WTW	737	Northern Cape	!Kai! Garib Local Municipality	Keimoes Bulk Water
178	Free State	Letsemeng Local Municipality	Koffiefontein	738	Northern Cape	!Kai! Garib Local Municipality	Lennertsville
179	Free State	Letsemeng Local Municipality	Luckhoff	739	Northern Cape	!Kai! Garib Local Municipality	Lutzburg
180	Free State	Letsemeng Local Municipality	Oppermangronde	740	Northern Cape	!Kai! Garib Local Municipality	Marchand
181	Free State	Letsemeng Local Municipality	Petrusburg	741	Northern Cape	!Kai! Garib Local Municipality	Riemvasmaak - Sending
182	Free State	Mafube Local Municipality	Frankfort	742	Northern Cape	!Kai! Garib Local Municipality	Riemvasmaak - Vredesvallei
183	Free State	Mafube Local Municipality	Tweeling	743	Northern Cape	!Kai! Garib Local Municipality	Soverby
184	Free State	Mafube Local Municipality	Villiers	744	Northern Cape	!Kheis Local Municipality	Brandboom/ Boegoeberg
185	Free State	Maluti a Phofung Local Municipality	Qwaqwa (Makwane WTW)	745	Northern Cape	!Kheis Local Municipality	Gariep
186	Free State	Maluti a Phofung Local Municipality	Harrismith (Wilge WTW)	746	Northern Cape	!Kheis Local Municipality	Groblershoop
187	Free State	Maluti a Phofung Local Municipality	Qwaqwa (Fika - Patso WTW)	747	Northern Cape	!Kheis Local Municipality	Grootdrink
188	Free State	Maluti a Phofung Local Municipality	Tshiame (Dr Limpho Letshela WTW)	748	Northern Cape	!Kheis Local Municipality	Topline
189	Free State	Mangaung Metropolitan Municipality	Bloemfontein	749	Northern Cape	!Kheis Local Municipality	Wegdraai
190	Free State	Mangaung Metropolitan Municipality	Botshabelo	750	Northern Cape	Dawid Kruiper	Andriesvale
191	Free State	Mangaung Metropolitan Municipality	Naledi LM- Dewetsdorp Supply System (Bloem Water)	751	Northern Cape	Dawid Kruiper	Askham

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192	Free State	Mangaung Metropolitan Municipality	Naledi LM- Vanstadensrus WTW	752	Northern Cape	Dawid Kruiper	Loubos
193	Free State	Mangaung Metropolitan Municipality	Naledi LM- Wepener Supply System (Bloem Water)	753	Northern Cape	Dawid Kruiper	Mier (Boorgate)
194	Free State	Mangaung Metropolitan Municipality	Thaba Nchu	754	Northern Cape	Dawid Kruiper	NC083: AH September (Upington)
195	Free State	Mantsopa Local Municipality	Excelsior Water Supply System	755	Northern Cape	Dawid Kruiper	NC083: Karos Supply System
196	Free State	Mantsopa Local Municipality	Hobhouse Water supply system	756	Northern Cape	Dawid Kruiper	NC083: Lambrechtsdrift
197	Free State	Mantsopa Local Municipality	Ladybrand Water Supply System	757	Northern Cape	Dawid Kruiper	NC083: Leerkrans
198	Free State	Mantsopa Local Municipality	Thaba Phatchoa Water Supply System	758	Northern Cape	Dawid Kruiper	NC083: Leseding
199	Free State	Mantsopa Local Municipality	Tweespruit Water Supply System	759	Northern Cape	Dawid Kruiper	NC083: Louisvale
200	Free State	Masilonyana Local Municipality	Brandfort Supply System	760	Northern Cape	Dawid Kruiper	NC083: Ntsikelelo
201	Free State	Masilonyana Local Municipality	Soutpan Supply System	761	Northern Cape	Dawid Kruiper	NC083: Raaswater
202	Free State	Masilonyana Local Municipality	Theunissen Supply System	762	Northern Cape	Dawid Kruiper	Noenieput (Boorgat)
203	Free State	Masilonyana Local Municipality	Verkeerdevlei Supply System	763	Northern Cape	Dawid Kruiper	Philandersbron
204	Free State	Masilonyana Local Municipality	Winburg Supply System	764	Northern Cape	Dawid Kruiper	Rietfontein
205	Free State	Matjhabeng Local Municipality	Allanridge Water supply System	765	Northern Cape	Dawid Kruiper	Swartkopdam
206	Free State	Matjhabeng Local Municipality	Hennenman Water Supply System	766	Northern Cape	Dawid Kruiper	Welkom

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
207	Free State	Matjhabeng Local Municipality	Odendaalsrus Water Supply System	767	Northern Cape	Dikgatlong Local Municipality	Barkley West
208	Free State	Matjhabeng Local Municipality	Ventersburg Water Supply System	768	Northern Cape	Dikgatlong Local Municipality	Delportshoop and Longlands (Sedibeng Water)
209	Free State	Matjhabeng Local Municipality	Virginia Water Supply System	769	Northern Cape	Dikgatlong Local Municipality	Holpan
210	Free State	Matjhabeng Local Municipality	Welkom Water Supply System	770	Northern Cape	Dikgatlong Local Municipality	Koopmansfontein
211	Free State	Metsimaholo Local Municipality	Deneysville	771	Northern Cape	Dikgatlong Local Municipality	Pniel
212	Free State	Metsimaholo Local Municipality	Oranjeville	772	Northern Cape	Dikgatlong Local Municipality	Spitskop
213	Free State	Metsimaholo Local Municipality	Sasolburg	773	Northern Cape	Dikgatlong Local Municipality	Stillwater
214	Free State	Mohokare Local Municipality	Rouxville Conventional Water Treatment Plant	774	Northern Cape	Dikgatlong Local Municipality	Windsorton
215	Free State	Mohokare Local Municipality	Smithfield Conventional Water Treatment Plant	775	Northern Cape	Emthanjeni Local Municipality	Britstown Borehole Scheme
216	Free State	Mohokare Local Municipality	Zastron Conventional Water Treatment Plant	776	Northern Cape	Emthanjeni Local Municipality	De Aar Borehole Scheme
217	Free State	Moqhaka Local Municipality	Kroonstad	777	Northern Cape	Emthanjeni Local Municipality	Hanover Borehole Scheme
218	Free State	Moqhaka Local Municipality	Steynsrus	778	Northern Cape	Gamagara Local Municipality	Dibeng (boreholes)
219	Free State	Moqhaka Local Municipality	Viljoenskroon	779	Northern Cape	Gamagara Local Municipality	Dingleton (Vaalgamagara bulk supply pipeline & Dingleton WTW)
220	Free State	Nala Local Municipality	Balkfontein (Sedibeng Water)	780	Northern Cape	Gamagara Local Municipality	Kathu (Kathu WTW, Boreholes, Vaalgamagara Bulk Supply)
221	Free State	Ngwathe Local Municipality	Edenville (Boreholes)	781	Northern Cape	Gamagara Local Municipality	Olifantshoek (Vaal Gamagara Bulk Supply Pipeline)

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222	Free State	Ngwathe Local Municipality	Heilbron (WSA)	782	Northern Cape	Ga-Segonyana Local Municipality	Bankhara-Bodulong (Managed by Ga-Segonyana LM)
223	Free State	Ngwathe Local Municipality	Koppies (WSA)	783	Northern Cape	Ga-Segonyana Local Municipality	Batlharos/ Maruping (GLM Boreholes-Sedibeng Water)
224	Free State	Ngwathe Local Municipality	Parys (WSA)	784	Northern Cape	Ga-Segonyana Local Municipality	Ditshoswaneng (GLM Boreholes-Sedibeng Water)
225	Free State	Ngwathe Local Municipality	Vredefort (WSA)	785	Northern Cape	Ga-Segonyana Local Municipality	Galotolo (GLM Boreholes_Sedibeng Water)
226	Free State	Nketoana Local Municipality	Arlington	786	Northern Cape	Ga-Segonyana Local Municipality	Gamopedi (GLM Boreholes-Sedibeng Water)
227	Free State	Nketoana Local Municipality	Lindley	787	Northern Cape	Ga-Segonyana Local Municipality	Gantatelang (GLM Boreholes-Sedibeng Water)
228	Free State	Nketoana Local Municipality	Petrus Steyn	788	Northern Cape	Ga-Segonyana Local Municipality	Garuele (GLM Boreholes-Sedibeng Water)
229	Free State	Nketoana Local Municipality	Reitz	789	Northern Cape	Ga-Segonyana Local Municipality	Gasebolao (GLM Boreholes-Sedibeng Water)
230	Free State	Phumelela Local Municipality	Memel Supply system	790	Northern Cape	Ga-Segonyana Local Municipality	Gasehubane (GLM Boreholes-Sedibeng Water)
231	Free State	Phumelela Local Municipality	Vrede Supply system	791	Northern Cape	Ga-Segonyana Local Municipality	Kagung (GLM Boreholes-Sedibeng Water)
232	Free State	Phumelela Local Municipality	Warden	792	Northern Cape	Ga-Segonyana Local Municipality	Kuruman-Wrenchville (Managed by Ga-Segonyana LM)
233	Free State	Setsoto Local Municipality	Clocolan (Clocolan TW)	793	Northern Cape	Ga-Segonyana Local Municipality	Lokaleng (GLM Boreholes_ Sedibeng Water)
234	Free State	Setsoto Local Municipality	Ficksburg (Ficksburg TW)	794	Northern Cape	Ga-Segonyana Local Municipality	Magobe/ Magojaneng (GLM Boreholes-Sedibeng Water)
235	Free State	Setsoto Local Municipality	Marquard (Marquard TW)	795	Northern Cape	Ga-Segonyana Local Municipality	Mapoteng/ Mothibistad (GLM Boreholes-Sedibeng Water)
236	Free State	Setsoto Local Municipality	Senekal (Cyferfontein and De Put TW)	796	Northern Cape	Ga-Segonyana Local Municipality	Mokalamosesane (GLM Boreholes-Sedibeng Water)

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
237	Free State	Tokologo Local Municipality	Boshof Water Supply System	797	Northern Cape	Ga-Segonyana Local Municipality	Ncweng (GLM Boreholes-Sedibeng Water)
238	Free State	Tokologo Local Municipality	Dealesville Water Supply System	798	Northern Cape	Ga-Segonyana Local Municipality	Pietbos (GLM Boreholes-Sedibeng Water)
239	Free State	Tokologo Local Municipality	Hertzogville Water Supply System	799	Northern Cape	Ga-Segonyana Local Municipality	Sedibeng (GLM Boreholes-Sedibeng Water)
240	Free State	Tswelopele Local Municipality	Bultfontein Supply Zone	800	Northern Cape	Ga-Segonyana Local Municipality	Seven miles (GLM Boreholes-Sedibeng Water)
241	Free State	Tswelopele Local Municipality	Hoopstad Supply Zone	801	Northern Cape	Ga-Segonyana Local Municipality	Slouya (GLM Boreholes-Sedibeng Water)
242	Gauteng	City of Johannesburg Metropolitan Municipality	Greater Johannesburg Water Supply System	802	Northern Cape	Ga-Segonyana Local Municipality	Thamoyanche (GLM Boreholes-Sedibeng Water)
243	Gauteng	City of Tshwane Metropolitan Municipality	Kungwini - (Bronkhorstpruit Town WTW)	803	Northern Cape	Ga-Segonyana Local Municipality	Vergenoeg (GLM Boreholes-Sedibeng Water)
244	Gauteng	City of Tshwane Metropolitan Municipality	Kungwini (Bronkhorstbaai WTW)	804	Northern Cape	Hantam Local Municipality	Brandvlei
245	Gauteng	City of Tshwane Metropolitan Municipality	Kungwini (Summerplace WTW)	805	Northern Cape	Hantam Local Municipality	Calvinia
246	Gauteng	City of Tshwane Metropolitan Municipality	Magalies (Cullinan WTW)	806	Northern Cape	Hantam Local Municipality	Loeriesfontein
247	Gauteng	City of Tshwane Metropolitan Municipality	Magalies (Walmansthal WTW)	807	Northern Cape	Hantam Local Municipality	Middelpos
248	Gauteng	City of Tshwane Metropolitan Municipality	Onverwacht Informal settlement	808	Northern Cape	Hantam Local Municipality	Nieuwoudtville
249	Gauteng	City of Tshwane Metropolitan Municipality	Pretoria Central & South (Rietvlei WTW & Rand Water)	809	Northern Cape	Hantam Local Municipality	Swartkop
250	Gauteng	City of Tshwane Metropolitan Municipality	Pretoria Findley (Fountains)	810	Northern Cape	Joe Morolong Local Municipality	Black Rock
251	Gauteng	City of Tshwane Metropolitan Municipality	Pretoria North - (Roodeplaat WTW)	811	Northern Cape	Joe Morolong Local Municipality	Bothithong Groundwater Management Area D41G-04

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252	Gauteng	City of Tshwane Metropolitan Municipality	Pretoria Temba (Temba WTW; Klipdrift WTW)	812	Northern Cape	Joe Morolong Local Municipality	Churchill Groundwater Management Area: D41L-M10
253	Gauteng	City of Tshwane Metropolitan Municipality	Sokhulumi Informal Settlement	813	Northern Cape	Joe Morolong Local Municipality	Dithakong Groundwater Management Area D41G-02
254	Gauteng	Ekurhuleni Metropolitan Municipality	Ekurhuleni	814	Northern Cape	Joe Morolong Local Municipality	Gasehunelo Groundwater Management Area: D41L-M9
255	Gauteng	Emfuleni Local Municipality	Emfuleni Water Supply System (RW)	815	Northern Cape	Joe Morolong Local Municipality	Heiso Groundwater Management Area: D41L-M8
256	Gauteng	Emfuleni Local Municipality	Vaaloewer (Vaaloewer TW)	816	Northern Cape	Joe Morolong Local Municipality	Hotazel
257	Gauteng	Lesedi Local Municipality	Lesedi Main (Rand Water)	817	Northern Cape	Joe Morolong Local Municipality	Kikahela Groundwater Management Area: D41L-M1
258	Gauteng	Merafong City Local Municipality	Carletonville (Rand Water)	818	Northern Cape	Joe Morolong Local Municipality	Laxey Groundwater Management Area D41G-05
259	Gauteng	Merafong City Local Municipality	Fochville (Rand Water)	819	Northern Cape	Joe Morolong Local Municipality	Maipeng Groundwater Management Area D41L-K9
260	Gauteng	Merafong City Local Municipality	Wedela (Rand Water)	820	Northern Cape	Joe Morolong Local Municipality	Mamatwan/ Hotazel Ground water Management Area D41K-G2
261	Gauteng	Midvaal Local Municipality	Meyerton (Rand Water)	821	Northern Cape	Joe Morolong Local Municipality	Manyeding A Groundwater Management Area: D41L-M5
262	Gauteng	Midvaal Local Municipality	Vaal Marina (Vaal Marina WTP)	822	Northern Cape	Joe Morolong Local Municipality	Manyeding Lower Groundwater Management Area: D41L-M6
263	Gauteng	Mogale City Local Municipality	Mogale City Water Supply Systems	823	Northern Cape	Joe Morolong Local Municipality	Metsetswaneng Groundwater Management Area: D41L-M7
264	Gauteng	Rand West City	Randfontein Water Supply Systems	824	Northern Cape	Joe Morolong Local Municipality	Tsineng Groundwater Management Area: D41L-M11
265	Gauteng	Rand West City	Bekkersdal	825	Northern Cape	Joe Morolong Local Municipality	Van Zylsrus (Boreholes)
266	Gauteng	Rand West City	Glenharvie	826	Northern Cape	Joe Morolong Local Municipality	Ward 1 Heuningvlei Area

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267	Gauteng	Rand West City	Suurbekom	827	Northern Cape	Kamiesberg Local Municipality	Garies
268	Gauteng	Rand West City	Wagsterkop	828	Northern Cape	Kamiesberg Local Municipality	Hondeklipbaai
269	Gauteng	Rand West City	Waterpan	829	Northern Cape	Kamiesberg Local Municipality	Kamassies
270	Gauteng	Rand West City	Westonaria	830	Northern Cape	Kamiesberg Local Municipality	Kamieskroon
271	KwaZulu-Natal	Amajuba District municipality	Dannhauser LM - Dannhauser (Dannhauser TW) - uTW (WSP)	831	Northern Cape	Kamiesberg Local Municipality	Kharkams
272	KwaZulu-Natal	Amajuba District municipality	Dannhauser LM - Durnacol (Durnacol TW) - uTW (WSP)	832	Northern Cape	Kamiesberg Local Municipality	Kheis
273	KwaZulu-Natal	Amajuba District municipality	Utrecht LM- Utrecht (Utrecht TW) - uTW (WSP)	833	Northern Cape	Kamiesberg Local Municipality	Klipfontein
274	KwaZulu-Natal	Amajuba District municipality	Utrecht LM- Waterval Prison (Ingagane Wtw)	834	Northern Cape	Kamiesberg Local Municipality	Koiingnaas
275	KwaZulu-Natal	Amajuba District municipality	Hattingspruit (Biggersburg wtw)	835	Northern Cape	Kamiesberg Local Municipality	Leliefontein
276	KwaZulu-Natal	eThekwini Metropolitan Municipality	eThekwini Main (Umgeni, Kloof TW,Mdloti TW)	836	Northern Cape	Kamiesberg Local Municipality	Lepelfontein
277	KwaZulu-Natal	eThekwini Metropolitan Municipality	Ogunjini (Ogunjini TW)	837	Northern Cape	Kamiesberg Local Municipality	Nourivier
278	KwaZulu-Natal	eThekwini Metropolitan Municipality	Tongaat	838	Northern Cape	Kamiesberg Local Municipality	Paulshoek
279	KwaZulu-Natal	eThekwini Metropolitan Municipality	Rural Borehole	839	Northern Cape	Kamiesberg Local Municipality	Rooifontein
280	KwaZulu-Natal	iLembe District Municipality	New Castle LM- Amatigulu	840	Northern Cape	Kamiesberg Local Municipality	Soebatsfontein
281	KwaZulu-Natal	iLembe District Municipality	Darnall (Lower Tukela Water Supply Scheme)	841	Northern Cape	Kamiesberg Local Municipality	Spoegrivier

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
282	KwaZulu-Natal	iLembe District Municipality	Esidumbini supply system	842	Northern Cape	Kamiesberg Local Municipality	Tweerivier
283	KwaZulu-Natal	iLembe District Municipality	Ethembeni	843	Northern Cape	Kareeberg Local Municipality	Carnarvon
284	KwaZulu-Natal	iLembe District Municipality	Hazelmere WTW- Groutville Water Supply	844	Northern Cape	Kareeberg Local Municipality	Vanwyksvlei
285	KwaZulu-Natal	iLembe District Municipality	Hazelmere WTW- Ndwedwe	845	Northern Cape	Kareeberg Local Municipality	Vosburg
286	KwaZulu-Natal	iLembe District Municipality	Hlanganani	846	Northern Cape	Karoo Hoogland Local Municipality	Fraserburg
287	KwaZulu-Natal	iLembe District Municipality	Ifalethu	847	Northern Cape	Karoo Hoogland Local Municipality	Sutherland
288	KwaZulu-Natal	iLembe District Municipality	Isiminya	848	Northern Cape	Karoo Hoogland Local Municipality	Williston
289	KwaZulu-Natal	iLembe District Municipality	Isithundu WTW	849	Northern Cape	Kgatelopele Local Municipality	Danielskuil (Boreholes)
290	KwaZulu-Natal	iLembe District Municipality	Lambothi	850	Northern Cape	Kgatelopele Local Municipality	Idwala BH
291	KwaZulu-Natal	iLembe District Municipality	Makwanini	851	Northern Cape	Kgatelopele Local Municipality	Lime Acres De Beers
292	KwaZulu-Natal	iLembe District Municipality	Hlimbithwa	852	Northern Cape	Kgatelopele Local Municipality	Owendale BH
293	KwaZulu-Natal	iLembe District Municipality	Maphumulo WTW- Umgeni Bulk Water	853	Northern Cape	Khai-Ma Local Municipality	Onseepkans (Melkbosrand TW)
294	KwaZulu-Natal	iLembe District Municipality	Maphumulo Borehole	854	Northern Cape	Khai-Ma Local Municipality	Onseepkans (RK)
295	KwaZulu-Natal	iLembe District Municipality	Montebello hospital supply	855	Northern Cape	Khai-Ma Local Municipality	Pofadder / Aggeneys (Pelladrift)
296	KwaZulu-Natal	iLembe District Municipality	Ngcebo	856	Northern Cape	Khai-Ma Local Municipality	Witbank

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297	KwaZulu-Natal	iLembe District Municipality	Nsuze Water Supply System	857	Northern Cape	Magareng Local Municipality	Majeng Water Tank (Private)
298	KwaZulu-Natal	iLembe District Municipality	Ntabaskop water supply	858	Northern Cape	Magareng Local Municipality	Malekos Farm (Private)
299	KwaZulu-Natal	iLembe District Municipality	Sundumbili	859	Northern Cape	Magareng Local Municipality	Nazareth House (Private)
300	KwaZulu-Natal	iLembe District Municipality	Umvoti	860	Northern Cape	Magareng Local Municipality	Warrenton
301	KwaZulu-Natal	iLembe District Municipality	Vukile High School WTW	861	Northern Cape	Nama Khoi Local Municipality	Bergsig
302	KwaZulu-Natal	iLembe District Municipality	Waterfall	862	Northern Cape	Nama Khoi Local Municipality	Buffelsrivier
303	KwaZulu-Natal	iLembe District Municipality	Wosiyane Water Supply	863	Northern Cape	Nama Khoi Local Municipality	Bulletrap
304	KwaZulu-Natal	Newcastle Local Municipality	Charlestown Water System (Pixle ka Sema TW)	864	Northern Cape	Nama Khoi Local Municipality	Carolusberg
305	KwaZulu-Natal	Newcastle Local Municipality	Newcastle (Ngagane TW)-UTW (WSP)	865	Northern Cape	Nama Khoi Local Municipality	Concordia
306	KwaZulu-Natal	Harry Gwala District Municipality	Bulwer	866	Northern Cape	Nama Khoi Local Municipality	Fonteintjie
307	KwaZulu-Natal	Harry Gwala District Municipality	Creighton	867	Northern Cape	Nama Khoi Local Municipality	Goodhouse
308	KwaZulu-Natal	Harry Gwala District Municipality	Donnybrook Borehole Schemes	868	Northern Cape	Nama Khoi Local Municipality	Kommagas
309	KwaZulu-Natal	Harry Gwala District Municipality	Esiqandulweni	869	Northern Cape	Nama Khoi Local Municipality	Matjieskloof
310	KwaZulu-Natal	Harry Gwala District Municipality	Franklin	870	Northern Cape	Nama Khoi Local Municipality	Nababeep
311	KwaZulu-Natal	Harry Gwala District Municipality	Hlanganani/ Polela	871	Northern Cape	Nama Khoi Local Municipality	Okiep

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312	KwaZulu-Natal	Harry Gwala District Municipality	Ibisi	872	Northern Cape	Nama Khoi Local Municipality	Rooiwal
313	KwaZulu-Natal	Harry Gwala District Municipality	Ixopo	873	Northern Cape	Nama Khoi Local Municipality	Springbok
314	KwaZulu-Natal	Harry Gwala District Municipality	Jolivet/ Ugu	874	Northern Cape	Nama Khoi Local Municipality	Steinkopf
315	KwaZulu-Natal	Harry Gwala District Municipality	Kokstad	875	Northern Cape	Nama Khoi Local Municipality	Vioolsdrift
316	KwaZulu-Natal	Harry Gwala District Municipality	Nokweja	876	Northern Cape	Phokwane Local Municipality	Hartswater
317	KwaZulu-Natal	Harry Gwala District Municipality	Riverside	877	Northern Cape	Phokwane Local Municipality	Jan Kempdorp
318	KwaZulu-Natal	Harry Gwala District Municipality	St Apollinaris	878	Northern Cape	Phokwane Local Municipality	Pampierstad (Managed by Sedibeng Water)
319	KwaZulu-Natal	Harry Gwala District Municipality	Umzimkhulu	879	Northern Cape	Renosterberg Local Municipality	Petrusville (from Vanderkloof)
320	KwaZulu-Natal	Harry Gwala District Municipality	Underberg	880	Northern Cape	Renosterberg Local Municipality	Vanderkloof
321	KwaZulu-Natal	Harry Gwala District Municipality	Washbank/ Highlands	881	Northern Cape	Renosterberg Local Municipality	Phillipstown Boreholes
322	KwaZulu-Natal	The Msunduzi Local Municipality	Umsunduzi	882	Northern Cape	Richtersveld Local Municipality	Eksteenfontein
323	KwaZulu-Natal	Ugu District municipality	Assissi	83	Northern Cape	Richtersveld Local Municipality	Kuboes
324	KwaZulu-Natal	Ugu District Municipality	Bhobhoyi	884	Northern Cape	Richtersveld Local Municipality	Lekkersing
325	KwaZulu-Natal	Ugu District Municipality	Harding	885	Northern Cape	Richtersveld Local Municipality	Port Nolloth / Alexander Baai (Alexcor & 8 Myl)
326	KwaZulu-Natal	Ugu District Municipality	Hlokozi	886	Northern Cape	Richtersveld Local Municipality	Sanddrift

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
327	KwaZulu-Natal	Ugu District Municipality	KwaFodo	887	Northern Cape	Siyancuma Local Municipality	Campbell Supply System
328	KwaZulu-Natal	Ugu District Municipality	KwaHlongwa	888	Northern Cape	Siyancuma Local Municipality	Douglas
329	KwaZulu-Natal	Ugu District Municipality	KwaNdelu	889	Northern Cape	Siyancuma Local Municipality	Griekwastad Supply System
330	KwaZulu-Natal	Ugu District Municipality	KwaNyuswa 1	890	Northern Cape	Siyancuma Local Municipality	Schmidtsdrift Supply System
331	KwaZulu-Natal	Ugu District Municipality	KwaNyuswa 2	891	Northern Cape	Siyathemba Local Municipality	Marydale Borehole system
332	KwaZulu-Natal	Ugu District Municipality	Phungashe	892	Northern Cape	Siyathemba Local Municipality	Niekerkshoop Borehole System
333	KwaZulu-Natal	Ugu District Municipality	Umtamvuna	893	Northern Cape	Siyathemba Local Municipality	Prieska Orange River
334	KwaZulu-Natal	Ugu District Municipality	Umtwalume	894	Northern Cape	Sol Plaatjie Local Municipality	Kby Zone 16 : Riverton
335	KwaZulu-Natal	Ugu District Municipality	Umzinto	895	Northern Cape	Sol Plaatjie Local Municipality	Kby Zone A-E : Ritchie
336	KwaZulu-Natal	Ugu District Municipality	Vulamehlo	896	Northern Cape	Thembelihle Local Municipality	Hopetown (Orange River)
337	KwaZulu-Natal	Ugu District Municipality	Weza	897	Northern Cape	Thembelihle Local Municipality	Strydenburg (Boreholes)
338	KwaZulu-Natal	uMgungundlovu District Municipality	Boreholes (Untreated)	898	Northern Cape	Tsantsabane Local Municipality	Groen Water Supply System
339	KwaZulu-Natal	uMgungundlovu District Municipality	Gomane Boreholes	899	Northern Cape	Tsantsabane Local Municipality	Jenn Heaven Supply System
340	KwaZulu-Natal	uMgungundlovu District Municipality	Impendle Spring	900	Northern Cape	Tsantsabane Local Municipality	Postdene Supply System
341	KwaZulu-Natal	uMgungundlovu District Municipality	Lidgetton West	901	Northern Cape	Tsantsabane Local Municipality	Postmasburg

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
342	KwaZulu-Natal	uMgungundlovu District Municipality	Mpofana	902	Northern Cape	Tsantsabane Local Municipality	Skeyfontein Supply System
343	KwaZulu-Natal	uMgungundlovu District Municipality	Nzinga	903	Northern Cape	Ubuntu Local Municipality	Hutchinson
344	KwaZulu-Natal	uMgungundlovu District Municipality	Rosetta	904	Northern Cape	Ubuntu Local Municipality	Loxton
345	KwaZulu-Natal	uMgungundlovu District Municipality	Umgeni Bulk Supply	905	Northern Cape	Ubuntu Local Municipality	Merriman
346	KwaZulu-Natal	uMhlathuze Local Municipality	Esikhaleni WTW	906	Northern Cape	Ubuntu Local Municipality	Richmond
347	KwaZulu-Natal	uMhlathuze Local Municipality	Mzingazi WTW	907	Northern Cape	Ubuntu Local Municipality	Victoria West
348	KwaZulu-Natal	uMhlathuze Local Municipality	Ngwelezane WTW	908	Northern Cape	Umsobomvu Local Municipality	Colesberg (TW & Boreholes)
349	KwaZulu-Natal	uMhlathuze Local Municipality	Nsezi WTW	909	Northern Cape	Umsobomvu Local Municipality	Norvalspont (TW)
350	KwaZulu-Natal	Umkhanyakude District Municipality	Block 6	910	Northern Cape	Umsobomvu Local Municipality	Noupoort (Boreholes)
351	KwaZulu-Natal	Umkhanyakude District Municipality	Borehole Clusters	911	Western Cape	Beaufort West Local Municipality	Beaufort West
352	KwaZulu-Natal	Umkhanyakude District Municipality	Enkanyezini	912	Western Cape	Beaufort West Local Municipality	Merweville
353	KwaZulu-Natal	Umkhanyakude District Municipality	Hlabisa	913	Western Cape	Beaufort West Local Municipality	Murraysburg BWM
354	KwaZulu-Natal	Umkhanyakude District Municipality	Hluhluwe Phase1	914	Western Cape	Beaufort West Local Municipality	Nelspoort
355	KwaZulu-Natal	Umkhanyakude District Municipality	Hluhluwe Phase2	915	Western Cape	Bergrivier Local Municipality	Aurora
356	KwaZulu-Natal	Umkhanyakude District Municipality	Ingwavuma	916	Western Cape	Bergrivier Local Municipality	Eendekuil

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
357	KwaZulu-Natal	Umkhanyakude District Municipality	Jozini (New)	917	Western Cape	Bergrivier Local Municipality	Piketberg
358	KwaZulu-Natal	Umkhanyakude District Municipality	Jozini (Old)	918	Western Cape	Bergrivier Local Municipality	Poterville
359	KwaZulu-Natal	Umkhanyakude District Municipality	Makhonyeni	919	Western Cape	Bergrivier Local Municipality	Redelinghuys
360	KwaZulu-Natal	Umkhanyakude District Municipality	Malobeni	920	Western Cape	Bergrivier Local Municipality	Velddrif
361	KwaZulu-Natal	Umkhanyakude District Municipality	Manguzi	921	Western Cape	Bitou Local Municipality	Kurland
362	KwaZulu-Natal	Umkhanyakude District Municipality	Manguzi Airfield	922	Western Cape	Bitou Local Municipality	Nature's Valley
363	KwaZulu-Natal	Umkhanyakude District Municipality	Mbazwana	923	Western Cape	Bitou Local Municipality	Plettenberg Bay
364	KwaZulu-Natal	Umkhanyakude District Municipality	Mjindi Central	924	Western Cape	Breede Valley Local Municipality	Bokrivier (Touwsrivier)
365	KwaZulu-Natal	Umkhanyakude District Municipality	Mkuze	925	Western Cape	Breede Valley Local Municipality	De Doorns
366	KwaZulu-Natal	Umkhanyakude District Municipality	Mpembeni	926	Western Cape	Breede Valley Local Municipality	De Koppen (Fairyglen)
367	KwaZulu-Natal	Umkhanyakude District Municipality	Mseleni	927	Western Cape	Breede Valley Local Municipality	Worcester/ Rawsonville
368	KwaZulu-Natal	Umkhanyakude District Municipality	Mshudu	928	Western Cape	Cape Agulhas Local Municipality	Aniston/ Waenhuskrans
369	KwaZulu-Natal	Umkhanyakude District Municipality	Mtubatuba	929	Western Cape	Cape Agulhas Local Municipality	Bredasdorp
370	KwaZulu-Natal	Umkhanyakude District Municipality	Nkolokotho	930	Western Cape	Cape Agulhas Local Municipality	Elim Fountain Water
371	KwaZulu-Natal	Umkhanyakude District Municipality	Nondubuya	931	Western Cape	Cape Agulhas Local Municipality	Klipdale

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
372	KwaZulu-Natal	Umkhanyakude District Municipality	Othobothini	932	Western Cape	Cape Agulhas Local Municipality	L'Agulhas
373	KwaZulu-Natal	Umkhanyakude District Municipality	Shemula	933	Western Cape	Cape Agulhas Local Municipality	Napier
374	KwaZulu-Natal	Umkhanyakude District Municipality	Thengane	934	Western Cape	Cape Agulhas Local Municipality	Protem
375	KwaZulu-Natal	Umzinyathi District Municipality	Msinga LM - Fabeni WTW	935	Western Cape	Cape Agulhas Local Municipality	Spanjaardskloof
376	KwaZulu-Natal	Umzinyathi District Municipality	Msinga LM - Keat`s Drift (Ethembeni) WTW	936	Western Cape	Cape Agulhas Local Municipality	Struisbaai
377	KwaZulu-Natal	Umzinyathi District Municipality	Msinga LM - Pomeroy WTW	937	Western Cape	Cape Agulhas Local Municipality	Suiderstrand
378	KwaZulu-Natal	Umzinyathi District Municipality	Msinga LM - Sampofu WTW	938	Western Cape	Cederberg Local Municipality	Algeria
379	KwaZulu-Natal	Umzinyathi District Municipality	Nqutu LM - Isandlwana WTW	939	Western Cape	Cederberg Local Municipality	Citrusdal
380	KwaZulu-Natal	Umzinyathi District Municipality	Nqutu LM - Nondweni WTP	940	Western Cape	Cederberg Local Municipality	Clanwilliam
381	KwaZulu-Natal	Umzinyathi District Municipality	Nqutu LM - Nqutu (Vant`s Drift) WTW	941	Western Cape	Cederberg Local Municipality	Elands Bay
382	KwaZulu-Natal	Umzinyathi District Municipality	Nqutu LM - Qudeni WTW	942	Western Cape	Cederberg Local Municipality	Graafwater
383	KwaZulu-Natal	Umzinyathi District Municipality	Umvoti LM - Amakhabaleni WTW	943	Western Cape	Cederberg Local Municipality	Lambert`s Bay
384	KwaZulu-Natal	Umzinyathi District Municipality	Umvoti LM - Greytown WTW	944	Western Cape	Cederberg Local Municipality	Leipoldtville
385	KwaZulu-Natal	Umzinyathi District Municipality	Umvoti LM - Muden WTW	945	Western Cape	Cederberg Local Municipality	Paleisheuwel
386	KwaZulu-Natal	Umzinyathi District Municipality	Umvoti LM Kranskop WTW	946	Western Cape	Cederberg Local Municipality	Wuppertal

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
387	KwaZulu-Natal	Uthukela District Municipality	Emnambithi/ Ladysmith - Colenso Town	947	Western Cape	City of Cape Town Metropolitan Municipality	Cape Town
388	KwaZulu-Natal	Uthukela District Municipality	Emnambithi/ Ladysmith - Ezakheni	948	Western Cape	Drakenstein Local Municipality	Bainskloof (Bainskloof TW)
389	KwaZulu-Natal	Uthukela District Municipality	Emnambithi/ Ladysmith - Ladysmith Town	949	Western Cape	Drakenstein Local Municipality	Drakenstein (Paarl Mountain TW & Cape Town Bulk)
390	KwaZulu-Natal	Uthukela District Municipality	Imbabazane - Loskop	950	Western Cape	Drakenstein Local Municipality	Gouda (West Coast DM)
391	KwaZulu-Natal	Uthukela District Municipality	Imbabazane - Loskop (Rural Scheme)	951	Western Cape	Drakenstein Local Municipality	Hermon
392	KwaZulu-Natal	Uthukela District Municipality	Indaka - Ekuvukeni Township and surrounding Rural areas	952	Western Cape	Drakenstein Local Municipality	Saron (Saron TW)
393	KwaZulu-Natal	Uthukela District Municipality	Indaka - Tugela Estates	953	Western Cape	George Local Municipality	George Water Works
394	KwaZulu-Natal	Uthukela District Municipality	Okhahlamba - Bergville Town and Surrounding Rural Areas	954	Western Cape	George Local Municipality	Haarlem Water Works
395	KwaZulu-Natal	Uthukela District Municipality	Okhahlamba - Langkloof	955	Western Cape	George Local Municipality	Uniondale Water Treatment Works
396	KwaZulu-Natal	Uthukela District Municipality	Okhahlamba - Moyeni/ Zwelisha	956	Western Cape	George Local Municipality	Wilderness Water Works
397	KwaZulu-Natal	Uthukela District Municipality	Okhahlamba - Winterton Town, Khethani Township	957	Western Cape	Hessequa Local Municipality	Albertinia
398	KwaZulu-Natal	Uthukela District Municipality	Umtshezi - Archie Rodel	958	Western Cape	Hessequa Local Municipality	Garcia
399	KwaZulu-Natal	Uthukela District Municipality	Umtshezi - George Cross	959	Western Cape	Hessequa Local Municipality	Gouritsmond
400	KwaZulu-Natal	Uthukela District Municipality	Umtshezi - Weenen 2	960	Western Cape	Hessequa Local Municipality	Heidelberg
401	KwaZulu-Natal	Uthukela District Municipality	Umtshezi - Weenen Town	961	Western Cape	Hessequa Local Municipality	Jongensfontein

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
402	KwaZulu-Natal	King Cetshwayo District Municipality	Eshowe	962	Western Cape	Hessequa Local Municipality	Melkhoutfontein
403	KwaZulu-Natal	King Cetshwayo District Municipality	Gingindlovu (Gingindlovu WTW)	963	Western Cape	Hessequa Local Municipality	Riversdale
404	KwaZulu-Natal	King Cetshwayo District Municipality	Greater Mthonjaneni	964	Western Cape	Hessequa Local Municipality	Slangrivier
405	KwaZulu-Natal	King Cetshwayo District Municipality	Mbonambi Bulk supply (Nsezi plant WTW- City of uMhlathuze)	965	Western Cape	Hessequa Local Municipality	Still Bay
406	KwaZulu-Natal	King Cetshwayo District Municipality	Melmoth (Melmoth WTW)	966	Western Cape	Hessequa Local Municipality	Vermaaklikheid
407	KwaZulu-Natal	King Cetshwayo District Municipality	Middledrift	967	Western Cape	Hessequa Local Municipality	Witsand
408	KwaZulu-Natal	King Cetshwayo District Municipality	Mtunzini (City of uMhlathuze)	968	Western Cape	Kannaland Local Municipality	Calitzdorp
409	KwaZulu-Natal	King Cetshwayo District Municipality	Nkandla (Package plants)	969	Western Cape	Kannaland Local Municipality	Ladismith
410	KwaZulu-Natal	King Cetshwayo District Municipality	Nkandla (Nkandla WTW)	970	Western Cape	Kannaland Local Municipality	Van Wyksdorp WTW
411	KwaZulu-Natal	King Cetshwayo District Municipality	Ntambanana (Package plants)	971	Western Cape	Kannaland Local Municipality	Zoar Town
412	KwaZulu- Natal	King Cetshwayo District Municipality	Umlalazi	972	Western Cape	Knysna Local Municipality	Buffalo Bay
413	KwaZulu-Natal	Zululand District Municipality	Babanango	973	Western Cape	Knysna Local Municipality	Karatara
414	KwaZulu-Natal	Zululand District Municipality	Belgrade	974	Western Cape	Knysna Local Municipality	Knysna WTW and Desal Plant
415	KwaZulu-Natal	Zululand District Municipality	Belgrade New	975	Western Cape	Knysna Local Municipality	Rheenendal
416	KwaZulu-Natal	Zululand District Municipality	Ceza Water Supply	976	Western Cape	Knysna Local Municipality	Sedgefield WTW, Desal Plant, Emergency Bore Holes

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
417	KwaZulu-Natal	Zululand District Municipality	eDumbe	977	Western Cape	Laingsburg Local Municipality	Laingsburg
418	KwaZulu-Natal	Zululand District Municipality	eMakhosini	978	Western Cape	Laingsburg Local Municipality	Matjiesfontein
419	KwaZulu-Natal	Zululand District Municipality	Enyathi Town	979	Western Cape	Langeberg Municipality	Ashton
420	KwaZulu-Natal	Zululand District Municipality	Enyokeni Palace	980	Western Cape	Langeberg Municipality	Bonnievale
421	KwaZulu-Natal	Zululand District Municipality	Frischgewaagd Bilanyoni	981	Western Cape	Langeberg Municipality	McGregor
422	KwaZulu-Natal	Zululand District Municipality	Gumbi Rural Supply Scheme	982	Western Cape	Langeberg Municipality	Montagu
423	KwaZulu-Natal	Zululand District Municipality	Itshelejuba hospital	983	Western Cape	Langeberg Municipality	Robertson
424	KwaZulu-Natal	Zululand District Municipality	Khambi	984	Western Cape	Matzikama Local Municipality	Bitterfontein DMA
425	KwaZulu-Natal	Zululand District Municipality	Khangela Palace	985	Western Cape	Matzikama Local Municipality	Ebenhaezer
426	KwaZulu-Natal	Zululand District Municipality	Khiphunyawo	986	Western Cape	Matzikama Local Municipality	Klawer
427	KwaZulu-Natal	Zululand District Municipality	Kombuzi	987	Western Cape	Matzikama Local Municipality	Kliprand
428	KwaZulu-Natal	Zululand District Municipality	Mandlakazi	988	Western Cape	Matzikama Local Municipality	Koekenaap
429	KwaZulu-Natal	Zululand District Municipality	Masokaneni	989	Western Cape	Matzikama Local Municipality	Lutziville
430	KwaZulu-Natal	Zululand District Municipality	Mountain View	990	Western Cape	Matzikama Local Municipality	Lutziville West
431	KwaZulu-Natal	Zululand District Municipality	Mpungamhlope	991	Western Cape	Matzikama Local Municipality	Vredendal

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
432	KwaZulu-Natal	Zululand District Municipality	Msibi	992	Western Cape	Mossel Bay Local Municipality	Friemersheim WSS
433	KwaZulu-Natal	Zululand District Municipality	Mvuzini	993	Western Cape	Mossel Bay Local Municipality	Hebertsdale WSS
434	KwaZulu-Natal	Zululand District Municipality	Nkonjeni Hospital	994	Western Cape	Mossel Bay Local Municipality	Lodewykstenk WSS
435	KwaZulu-Natal	Zululand District Municipality	Nkosentsha	995	Western Cape	Mossel Bay Local Municipality	Mosselbaai/ Grootbrak/ Kleinbrak WSS
436	KwaZulu-Natal	Zululand District Municipality	Nongoma	996	Western Cape	Mossel Bay Local Municipality	Ruiterbos WSS
437	KwaZulu-Natal	Zululand District Municipality	Ophuzane	997	Western Cape	Oudtshoorn Local Municipality	De Rust
438	KwaZulu-Natal	Zululand District Municipality	Osingisingini	998	Western Cape	Oudtshoorn Local Municipality	Klein Karoo Water Supply Scheme
439	KwaZulu-Natal	Zululand District Municipality	Pongola	999	Western Cape	Oudtshoorn Local Municipality	Oudtshoorn
440	KwaZulu-Natal	Zululand District Municipality	Purim Rural Water Supply	1000	Western Cape	Overstrand Local Municipality	Baardskeerdersbos Supply System
441	KwaZulu-Natal	Zululand District Municipality	Sidinsi	1001	Western Cape	Overstrand Local Municipality	Buffeljags Bay Supply System
442	KwaZulu-Natal	Zululand District Municipality	Spekboom	1002	Western Cape	Overstrand Local Municipality	Buffelsrivier Supply System
443	KwaZulu-Natal	Zululand District Municipality	Tholakele	1003	Western Cape	Overstrand Local Municipality	Greater Gansbaai Supply System
444	KwaZulu-Natal	Zululand District Municipality	Thulasizwe hospital	1004	Western Cape	Overstrand Local Municipality	Greater Hermanus Supply System
445	KwaZulu-Natal	Zululand District Municipality	Ulundi Nkonjeni	1005	Western Cape	Overstrand Local Municipality	Kleinmond Supply System
446	KwaZulu-Natal	Zululand District Municipality	Usuthu	1006	Western Cape	Overstrand Local Municipality	Pearly Beach Supply System

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
447	Limpopo	Bela-Bela Local Municipality	Bela Bela/ Magalies water supply system	1007	Western Cape	Overstrand Local Municipality	Stanford Supply System
448	Limpopo	Bela-Bela Local Municipality	Radium borehole water system	1008	Western Cape	Prince Albert Local Municipality	Klaarstroom
449	Limpopo	Bela-Bela Local Municipality	Rapotokwane borehole water system	1009	Western Cape	Prince Albert Local Municipality	Leeugamka
450	Limpopo	Capricorn District Municipality	Alldays	1010	Western Cape	Prince Albert Local Municipality	Prince Albert
451	Limpopo	Capricorn District Municipality	Botlokwa Regional Water Supply System	1011	Western Cape	Saldanha Bay Local Municipality	Saldanha Bay Supply Systems
452	Limpopo	Capricorn District Municipality	Lebowakgomo Water Supply System	1012	Western Cape	Stellenbosch Local Municipality	Blackheath (City Of Cape Town)
453	Limpopo	Capricorn District Municipality	Mashashane Water Supply System	1013	Western Cape	Stellenbosch Local Municipality	Faure System (City of Cape Town)
454	Limpopo	Capricorn District Municipality	Mogwadi Water Supply System	10141	Western Cape	Stellenbosch Local Municipality	Franschhoek
455	Limpopo	Capricorn District Municipality	Olifantspoort Water Supply System	1015	Western Cape	Stellenbosch Local Municipality	Stellenbosch
456	Limpopo	Capricorn District Municipality	Senwabarwana Water Supply Systems	1016	Western Cape	Stellenbosch Local Municipality	Wemmershoek (City of Cape Town)
457	Limpopo	Capricorn District Municipality	Zebidiela Water Supply System	1017	Western Cape	Swartland Local Municipality	Malmesbury Supply System
458	Limpopo	Greater Sekhukhune District Municipality	Burgersfort Water Supply System	1018	Western Cape	Swartland Local Municipality	Moorreesburg Supply System
459	Limpopo	Greater Sekhukhune District Municipality	Fetakgomo Supply System	1019	Western Cape	Swellendam Local Municipality	Barrydale
460	Limpopo	Greater Sekhukhune District Municipality	Flag Boshielo East Water Supply System	1020	Western Cape	Swellendam Local Municipality	Buffelsjagrivier
461	Limpopo	Greater Sekhukhune District Municipality	Groblersdal Water Supply System	1021	Western Cape	Swellendam Local Municipality	Suurbraak

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
462	Limpopo	Greater Sekhukhune District Municipality	Hlogotlou Water Supply System	1022	Western Cape	Swellendam Local Municipality	Swellendam
463	Limpopo	Greater Sekhukhune District Municipality	Mapodile	1023	Western Cape	Theewaterskloof Local Municipality	Botrivier
464	Limpopo	Greater Sekhukhune District Municipality	Marble Hall Water Supply System	1024	Western Cape	Theewaterskloof Local Municipality	Caledon
465	Limpopo	Greater Sekhukhune District Municipality	Marishane Water Supply System	1025	Western Cape	Theewaterskloof Local Municipality	Genadendal-WTW
466	Limpopo	Greater Sekhukhune District Municipality	Masemola Water Supply System	1026	Western Cape	Theewaterskloof Local Municipality	Grabouw WTW
467	Limpopo	Greater Sekhukhune District Municipality	Moutse Water Supply System	1027	Western Cape	Theewaterskloof Local Municipality	Greyton
468	Limpopo	Greater Sekhukhune District Municipality	Ngwaabe Supply System	1028	Western Cape	Theewaterskloof Local Municipality	Riviersonderend WTW
469	Limpopo	Greater Sekhukhune District Municipality	Penge Water Supply System	1029	Western Cape	Theewaterskloof Local Municipality	Tesselaarsdal WTW
470	Limpopo	Greater Sekhukhune District Municipality	Roosenekal Water Supply System	1030	Western Cape	Theewaterskloof Local Municipality	Villiersdorp WTW
471	Limpopo	Greater Sekhukhune District Municipality	Tubatse	1031	Western Cape	Witzenberg Local Municipality	Ceres Water Care Works
472	Limpopo	Greater Sekhukhune District Municipality	Vergelegen Water Supply System	1032	Western Cape	Witzenberg Local Municipality	Op die Berg Water Care works
473	Limpopo	Lephalale Local Municipality	Lephalale LM/ Matimba WTP - Reticulation System	1033	Western Cape	Witzenberg Local Municipality	Prince Alfred Hamlet Water Care Works
474	Limpopo	Lephalale Local Municipality	Lephalale LM/ Zeeland WTP - Reticulation System	1034	Western Cape	Witzenberg Local Municipality	Tulbagh Water Treatment Works
475	Limpopo	Lephalale Local Municipality	Mokuruanyane	1035	Western Cape	Witzenberg Local Municipality	Wolseley Water Care Works
476	Limpopo	Lephalale Local Municipality	Seleka	Total:	1035		
477	Limpopo	Lephalale Local Municipality	Shongoane				

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
478	Limpopo	Lephalale Local Municipality	Witpoort				
479	Limpopo	Modimolle/ Mookgophong	LIM365: Mabaleng Res (Borehole MM 006/2010)				
480	Limpopo	Modimolle/ Mookgophong Local Municipality	LIM365: Mabatlane Res (Borehole MM 007/2010)				
481	Limpopo	Modimolle/ Mookgophong Local Municipality	LIM365: Modimolle/ Magalies Water System				
482	Limpopo	Modimolle/ Mookgophong Local Municipality	Roedtan Boreholes				
483	Limpopo	Modimolle/ Mookgophong Local Municipality	Welgewonden Water Works				
484	Limpopo	Mogalakwena Local Municipality	Mokopane Mahwelereng				
485	Limpopo	Mopani District Municipality	Drakensig (Hoedspruit WSS)				
486	Limpopo	Mopani District Municipality	Ebenezer				
487	Limpopo	Mopani District Municipality	Giyani Water supply area				
488	Limpopo	Mopani District Municipality	Greater Tzaneen Municipality				
489	Limpopo	Mopani District Municipality	Letaba Politsi and Modjadji				
490	Limpopo	Mopani District Municipality	Letsitele				
491	Limpopo	Mopani District Municipality	Mapuve				
492	Limpopo	Mopani District Municipality	Middle Letaba				
493	Limpopo	Mopani District Municipality	Nkambako				
494	Limpopo	Mopani District Municipality	Nkowankowa				
495	Limpopo	Mopani District Municipality	Nondweni				
496	Limpopo	Mopani District Municipality	Phalaborwa, Lulekani and Namakgale				
497	Limpopo	Mopani District Municipality	Sekororo				

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
498	Limpopo	Mopani District Municipality	Semarela				
499	Limpopo	Mopani District Municipality	Thabina				
500	Limpopo	Mopani District Municipality	Thapane				
501	Limpopo	Mopani District Municipality	The Oaks				
502	Limpopo	Mopani District Municipality	Tours Water Supply System				
503	Limpopo	Mopani District Municipality	Zava water supply system				
504	Limpopo	Polokwane Local Municipality	Chuenemaja				
505	Limpopo	Polokwane Local Municipality	City Polokwane				
506	Limpopo	Polokwane Local Municipality	Mankweng Area				
507	Limpopo	Polokwane Local Municipality	Molepo				
508	Limpopo	Polokwane Local Municipality	Moletjie Area				
509	Limpopo	Polokwane Local Municipality	Seshego				
510	Limpopo	Thabazimbi Local Municipality	Leeupoort Water Scheme				
511	Limpopo	Thabazimbi Local Municipality	Northam Water Supply				
512	Limpopo	Thabazimbi Local Municipality	Rooiberg Water Scheme				
513	Limpopo	Thabazimbi Local Municipality	Schilpadnest Water Scheme				
514	Limpopo	Thabazimbi Local Municipality	The Greater Thabazimbi -Magalies				
515	Limpopo	Vhembe District municipality	Elim Water System				
516	Limpopo	Vhembe District municipality	Kutama Sinthumule Water System				
517	Limpopo	Vhembe District municipality	Makhado (Louis Trichardt) Water System				
518	Limpopo	Vhembe District municipality	Malamulele Water System				
519	Limpopo	Vhembe District municipality	Musekwa Water System				

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
520	Limpopo	Vhembe District municipality	Musina Water System				
521	Limpopo	Vhembe District municipality	Mutale water system				
522	Limpopo	Vhembe District municipality	Mutshedzi Water System				
523	Limpopo	Vhembe District municipality	Nzhelele Water System				
524	Limpopo	Vhembe District municipality	Thohoyandou Water System				
525	Limpopo	Vhembe District municipality	Tshedza water supply system				
526	Limpopo	Vhembe District municipality	Tshifhire Murunwa Water System				
527	Mpumalanga	Albert Luthuli Local Municipality	Badplaas				
528	Mpumalanga	Albert Luthuli Local Municipality	Bettysgoed				
529	Mpumalanga	Albert Luthuli Local Municipality	Carolina				
530	Mpumalanga	Albert Luthuli Local Municipality	Ekulindeni				
531	Mpumalanga	Albert Luthuli Local Municipality	Elukwatini				
532	Mpumalanga	Albert Luthuli Local Municipality	Empuluzi/ Mayflower				
533	Mpumalanga	Albert Luthuli Local Municipality	Fernie				
534	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge Cork				
535	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge- Dingleydale				
536	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge Marite				

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
537	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge- Sigagule				
538	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge- Thorndale				
539	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge- Zoeknog				
540	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge - Acornhoek Supply System				
541	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge - Edinburg Supply System				
542	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge- Sehlare package plant				
543	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge - Hoxani Supply System				
544	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge - Inyaka Supply System				
545	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge - Sandriver Supply System				
546	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge - Shatale Supply System				
547	Mpumalanga	Bushbuckridge Local Municipality	Bushbuckridge - Thulamahashi Supply System				
548	Mpumalanga	Dipaleseng Local Municipality	The Greater Dipaleseng Local Municipality				
549	Mpumalanga	Dr JS Moroka Local Municipality	Weltervreden				
550	Mpumalanga	Emakhazeni Local Municipality	Belfast (Belfast Water Treatment Plant)				
551	Mpumalanga	Emakhazeni Local Municipality	Dullstroom (Dullstroom Water Treatment Plant)				

No	Province	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
552	Mpumalanga	Emakhazeni Local Municipality	Emgwenya (Waterval Boven Water Treatment Plant)				
553	Mpumalanga	Emakhazeni Local Municipality	Entokozweni (Machadodorp Water Treatment Plant)				
554	Mpumalanga	Emalahleni Local Municipality	Kendal				
555	Mpumalanga	Emalahleni Local Municipality	Kriel/ Ganala				
556	Mpumalanga	Emalahleni Local Municipality	Rietspruit				
557	Mpumalanga	Emalahleni Local Municipality	Witbank				
558	Mpumalanga	Govan Mbeki Local Municipality	The Greater Govan Mbeki Local Municipality				
559	Mpumalanga	Lekwa Local Municipality	Morgenzon WTW				
560	Mpumalanga	Lekwa Local Municipality	Standerton WTW				
561	Mpumalanga	Mbombela/ Umjindi	Elandshoek (Elandshoek Package Plant)				
562	Mpumalanga	Mbombela/ Umjindi	Hazyview (Hazyview TW)				
563	Mpumalanga	Mbombela/ Umjindi	Kanyamazane Supply System (Rand Water -Bulk Supply) (Sembcorp - Reticulation)				

PPI No 5.3.2: Number of identified non-compliant water supply systems monitored against the Regulatory Requirements

No	Province	WSA	WSS
Sub-Total: Eastern Cape (39)			
1	Eastern Cape	Kouga LM	Loerie Network
2	Eastern Cape	Kouga LM	Thornhill Network
3	Eastern Cape	O R Tambo DM	Ingquza Hill LM - (Borehole Supply)
4	Eastern Cape	O R Tambo DM	Port St Johns LM - (Borehole Supply)
5	Eastern Cape	O R Tambo DM	Mhlontlo LM - (Borehole Supply)
6	Eastern Cape	O R Tambo DM	Nyandeni LM - (Borehole Supply)
7	Eastern Cape	Public Works	Kirkwood CS
8	Eastern Cape	Public Works	Slagboom SAPS Training
9	Eastern Cape	Public Works	Patensie CS
10	Eastern Cape	Public Works	Fort Brown SAPS
11	Eastern Cape	Chris Hani DM	Emalahleni - (Rural & Farms - Untreated)
12	Eastern Cape	Chris Hani DM	Sakhisizwe - (Farms & Rural - Treated)
13	Eastern Cape	Chris Hani DM	Engcobo - (Rural Treated Boreholes)
14	Eastern Cape	Chris Hani DM	Intsika Yethu - (Untreated
15	Eastern Cape	Chris Hani DM	Lukhanji - (Rural & Farms - Untreated)
16	Eastern Cape	Joe Gqabi DM	Elundini LM - Maclear Rural (Boreholes & Springs)
17	Eastern Cape	Joe Gqabi DM	Maletswai LM - Aliwal North
18	Eastern Cape	Joe Gqabi DM	Senqu LM - Rossouw (Boreholes)
19	Eastern Cape	Joe Gqabi DM	Senqu LM - Sterkspruit Rural (Boreholes & Springs)
20	Eastern Cape	Sunday's River Valley LM	Paterson Boreholes
21	Eastern Cape	Alfred Nzo DM	Mbizana LM - Borehole Systems (Rural)
22	Eastern Cape	Alfred Nzo DM	Ntabankulu LM - Borehole Systems (Rural)
23	Eastern Cape	Amatole Water	Binfield WTW
24	Eastern Cape	Amatole Water	Debe Nek WTW
25	Eastern Cape	Amatole Water	Masincedane WTW
26	Eastern Cape	Amatole Water	Peddie WTW
27	Eastern Cape	Amatole Water	Sandile WTW
28	Eastern Cape	Amatole Water	Laing Dam WTW
29	Eastern Cape	Amatole Water	Nahoon Dam WTW
30	Eastern Cape	Amathole DM	Binfield Network Supply
31	Eastern Cape	Amathole DM	Debe Nek Network Supply
32	Eastern Cape	Amathole DM	Glenmore Network Supply
33	Eastern Cape	Amathole DM	Masincedane Network Supply
34	Eastern Cape	Amathole DM	Peddie Network Supply
35	Eastern Cape	Amathole DM	Upper Mnyameni Network Supply
36	Eastern Cape	Buffalo City MM	Laing Network Supply
37	Eastern Cape	Buffalo City MM	Sandile Network Supply
38	Eastern Cape	Buffalo City MM	Majali (Borehole) System
39	Eastern Cape	Buffalo City MM	Mdantsane Supply Scheme (Umz, Nahoon, Laing)
Sub-Total: Free State (44)			

No	Province	WSA	WSS
1	Free State	Phumelela LM	Memel WTW
2	Free State	Phumelela LM	Vrede WTW
3	Free State	Nketoana LM	Reitz WTW
4	Free State	Dihlabeng LM	Clarens WTW
5	Free State	Dihlabeng LM	Fouriesburg WTW
6	Free State	Dihlabeng LM	Bethlehem WTW
7	Free State	Setsoto LM	Marquard WTW
8	Free State	Setsoto LM	Clocolan WTW
9	Free State	Setsoto LM	Senekal WTW
10	Free State	Mantsopa LM	Tweespruit WTW
11	Free State	Mantsopa LM	Hobhouse WTW
12	Free State	Mantsopa LM	Excelsior WTW
13	Free State	Mantsopa LM	Ladybrand WTW
14	Free State	Mantsopa LM	Thaba Patswa WTW
15	Free State	Maluti A Phofung	Fika Patso WTW
16	Free State	Maluti A Phofung	Wilge WTW
17	Free State	Maluti A Phofung	Makwane WTW
18	Free State	Ngwathe LM	Parys WTW
19	Free State	Ngwathe LM	Vredefort WTW
20	Free State	Ngwathe LM	Heilbron WTW
21	Free State	Moqhaka LM	Steynsrus WTW
22	Free State	Moqhaka LM	Kroonstad WTW
23	Free State	Mafube LM	Frankfort WTW
24	Free State	Mafube LM	Tweeling WTW
25	Free State	Mafube LM	Villiers WTW
26	Free State	Masilonyana LM	Brandfort WTW
27	Free State	Masilonyana LM	Winburg WTW
28	Free State	Masilonyana LM	Theunissen WTW
29	Free State	Masilonyana LM	Verkeerdevlei WTW
30	Free State	Tokologo LM	Dealesville WTW
31	Free State	Tokologo LM	Boshof WTW
32	Free State	Tswelopele LM	Hoopstad WTW
33	Free State	Tswelopele LM	Bultfontein WTW
34	Free State	Letsemeng LM	Luckhoff WTW
35	Free State	Letsemeng LM	Koffiefontein WTW
36	Free State	Letsemeng LM	Petusburg WTW
37	Free State	Kopanong LM	Philipolis WTW
38	Free State	Kopanong LM	Jaggersfontein WTW
39	Free State	Mohokare LM	Smithfield WTW
40	Free State	Mohokare LM	Zastron WTW
41	Free State	Mohokare LM	Rouxville WTW
42	Free State	Mangaung Metro	Bloemfontein (Welbedacht WTW, Rustfontein WTW, Maselspoort WTW)

No	Province	WSA	WSS
43	Free State	Mangaung Metro	Soutpan WTW
44	Free State	Mangaung Metro	Van Stadensrus WTW
Sub-Total: Gauteng (9)			
1	Gauteng	City of Tshwane MM	Cullinan
2	Gauteng	City of Tshwane MM	Bronkhorstbaai
3	Gauteng	City of Tshwane MM	Bronkhorspruit
4	Gauteng	Emfuleni LM	Emfuleni
5	Gauteng	City of Tshwane MM	Temba
6	Gauteng	City of Tshwane MM	Walmansthal
7	Gauteng	City of Tshwane MM	Summer Place
8	Gauteng	Emfuleni LM	Vaaloewer
9	Gauteng	Midvaal LM	Vaal Marina
Sub-Total: Kwa-Zulu Natal (60)			
1	Kwa Zulu Natal		Glendale
2	Kwa Zulu Natal		Amatigulu
3	Kwa Zulu Natal		Nsuze Water Supply System
4	Kwa Zulu Natal		Esidumbini supply system
5	Kwa Zulu Natal		Makwanini
6	Kwa Zulu Natal		Hazelmere WTW
7	Kwa Zulu Natal		Ifalethu
8	Kwa Zulu Natal		Maphumulo WTW
9	Kwa Zulu Natal		Isithundu Supply System
10	Kwa Zulu Natal		Ntabaskop water supply
11	Kwa Zulu Natal		Montebello supply system
12	Kwa Zulu Natal		Umvoti water supply system
13	Kwa Zulu Natal		Sundumbili
14	Kwa Zulu Natal		Hlanganani/Polela
15	Kwa Zulu Natal		Rietvlei
16	Kwa Zulu Natal		Jolivet/Ugu
17	Kwa Zulu Natal		Bulwer
18	Kwa Zulu Natal		Chibini
19	Kwa Zulu Natal		Umzimkhulu
20	Kwa Zulu Natal		Nokweja Washbank/Highlands
21	Kwa Zulu Natal		Ibisi
22	Kwa Zulu Natal		Nkonjeni Hospital
23	Kwa Zulu Natal		Khambi
24	Kwa Zulu Natal		Mountain View
25	Kwa Zulu Natal		Spekboom
26	Kwa Zulu Natal		Ulundi Nkonjeni
27	Kwa Zulu Natal		eDumbe
28	Kwa Zulu Natal		Ophuzane
29	Kwa Zulu Natal		Nongoma
30	Kwa Zulu Natal		Msibi

No	Province	WSA	WSS
31	Kwa Zulu Natal		Ovane WTW
32	Kwa Zulu Natal		eMakhosini
33	Kwa Zulu Natal		Mpungamhlope
34	Kwa Zulu Natal		Tholakele
35	Kwa Zulu Natal		Khambi
36	Kwa Zulu Natal		Frischgewaagd
37	Kwa Zulu Natal		Bilanyoni
38	Kwa Zulu Natal		Belgrade Old
39	Kwa Zulu Natal		Belgrade New
40	Kwa Zulu Natal		Nsezi plant WTW- City of uMhlathuze:
41	Kwa Zulu Natal		Nkandla (Package plants)
42	Kwa Zulu Natal		Umlalazi (Package plants)
43	Kwa Zulu Natal		Eshowe
44	Kwa Zulu Natal		IMBABAZANE - Loskop:
45	Kwa Zulu Natal		OKHAHLAMBA - Bergville Town
46	Kwa Zulu Natal		OKHAHLAMBA - Winterton Town
47	Kwa Zulu Natal		Khethani Township
48	Kwa Zulu Natal		UMTSHEZI – Archie
49	Kwa Zulu Natal		EMNAMBITHI/LADYSMITH - Colenso Town (6)
50	Kwa Zulu Natal		Charlestown Water System (Pixle ka Sema TW)
51	Kwa Zulu Natal		Nzinga
52	Kwa Zulu Natal		Umtwalume
53	Kwa Zulu Natal		Umzinto
54	Kwa Zulu Natal		Vulamehlo
55	Kwa Zulu Natal		KwaLembe
56	Kwa Zulu Natal		KwaMbotho
57	Kwa Zulu Natal		Umtamvuna
58	Kwa Zulu Natal		KwaNdelu
59	Kwa Zulu Natal		KwaHlongwa
60	Kwa Zulu Natal		Weza
Sub-Total: Limpopo (58)			
1	Limpopo		Dalmada
2	Limpopo		Greater Tzaneen
3	Limpopo		Letsitele
4	Limpopo		Nkowankowa
5	Limpopo		Drankinsig
6	Limpopo		Finale
7	Limpopo		Phalaborwa
8	Limpopo		Giyane
9	Limpopo		Zava
10	Limpopo		Thapane
11	Limpopo		Thabina
12	Limpopo		Semarela

No	Province	WSA	WSS
13	Limpopo		The Oaks
14	Limpopo		Malamulele
15	Limpopo		Middle Letaba
16	Limpopo		Thapane
17	Limpopo		Ebenezer
18	Limpopo		Seshego
19	Limpopo		Zebediela
20	Limpopo		Houtrivier
21	Limpopo		Botlokwa
22	Limpopo		Molepo
23	Limpopo		Chuene-Maja
24	Limpopo		Mashashane
25	Limpopo		Olifantspoort
26	Limpopo		Roedtan
27	Limpopo		Velgewonden
28	Limpopo		Modimolle/Magalies
29	Limpopo		Mabatlane
30	Limpopo		Mabaleng
31	Limpopo		Burgersfort
32	Limpopo		Tubatse
33	Limpopo		Penge
34	Limpopo		Moroke
35	Limpopo		Masemola
36	Limpopo		Marishane
37	Limpopo		Vergelegen
38	Limpopo		Hlogotlou
39	Limpopo		Nkosini
40	Limpopo		Moutse
41	Limpopo		Ngwaabe
42	Limpopo		Mapodile
43	Limpopo		Zeeland
44	Limpopo		Matimba
45	Limpopo		Mokurunyane
46	Limpopo		Seleka
47	Limpopo		Witpoort
48	Limpopo		Shongoane
49	Limpopo		Schilpadnest
50	Limpopo		Leeupoort
51	Limpopo		Rooiberg
52	Limpopo		Northam
53	Limpopo		Thabazimbi/Magalies
54	Limpopo		Doorndraai
55	Limpopo		Makhado(Louis trichard)

No	Province	WSA	WSS
56	Limpopo		Nondweni
57	Limpopo		Mutshedzi
58	Limpopo		Luphephe-nwanedi
Sub-Total: Mpumalanga (43)			
1	Mpumalanga	Msugalingwa LM	Breyten
2	Mpumalanga	Msugalingwa LM	Davel
3	Mpumalanga	Msugalingwa LM	Lothair
4	Mpumalanga	Chief Albert Luthuli	Badplaas
5	Mpumalanga	Chief Albert Luthuli	Bettysgoed
6	Mpumalanga	Chief Albert Luthuli	Carolina
7	Mpumalanga	Chief Albert Luthuli	Ekulindeni
8	Mpumalanga	Chief Albert Luthuli	Elukwatini
9	Mpumalanga	Chief Albert Luthuli	Empuluzi/ Mayflower
10	Mpumalanga	Chief Albert Luthuli	Fernie
11	Mpumalanga	Lekwa LM	Morgenzon
12	Mpumalanga	Lekwa LM	Standerton
13	Mpumalanga	Dipaleseng LM	Balfour WTW
14	Mpumalanga	Mkhondo LM	Piet Retief New
15	Mpumalanga	Mkhondo LM	Piet Retief Old
16	Mpumalanga	Pixley Ka Seme	Amesfoort
17	Mpumalanga	Pixley Ka Seme	Vukuzakhe
18	Mpumalanga	Pixley Ka Seme	Wakkerstroom
19	Mpumalanga	BushBuckridge LM	Marite
20	Mpumalanga	BushBuckridge LM	Sandriver
21	Mpumalanga	BushBuckridge LM	Thulamahashi
22	Mpumalanga	BushBuckridge LM	Acornhoek
23	Mpumalanga	Nkomazi LM	Langeloop
24	Mpumalanga	Nkomazi LM	Sibange
25	Mpumalanga	Nkomazi LM	Madadeni
26	Mpumalanga	Nkomazi LM	Marlothpark
27	Mpumalanga	Nkomazi LM	Ntunda
28	Mpumalanga	Nkomazi LM	Malelani
29	Mpumalanga	Nkomazi LM	Fig tree/ Masibekele
30	Mpumalanga	Nkomazi LM	Nyathi
31	Mpumalanga	Mbombela/Umjindi	Sheba
32	Mpumalanga	Mbombela/Umjindi	Emjindini
33	Mpumalanga	Thaba Chweu	Lydenburg
34	Mpumalanga	Thaba Chweu	Sabie
35	Mpumalanga	Dr JS Moroka	Weltervreden
36	Mpumalanga	Emakhazeni LM	Entokozweni (Machadodorp)
37	Mpumalanga	Emakhazeni LM	Watervaal Boven
38	Mpumalanga	Emakhazeni LM	Belfast
39	Mpumalanga	Victor Kanye LM	Delmas Rand Water

No	Province	WSA	WSS
40	Mpumalanga	Thembisile Hani LM	Kwaggafontein System
41	Mpumalanga	Thembisile Hani LM	Kwamhlanga
42	Mpumalanga	Thembisile Hani LM	Langkloof
43	Mpumalanga	Thembisile Hani LM	Moloto
Sub-Total: Northern Cape (54)			
1	Northern Cape		Colesberg
2	Northern Cape		Norvalspont WTW
3	Northern Cape		Noupoort WTW
4	Northern Cape		Currieskamp WTW
5	Northern Cape		Alheit WTW
6	Northern Cape		Riemvasmaak-Sending
7	Northern Cape		Keimoes WTW
8	Northern Cape		Soverby WTW
9	Northern Cape		Danielskuil WTW
10	Northern Cape		Onseepkans-Seding
11	Northern Cape		Onseepkans-Melkbosrand WTW
12	Northern Cape		Witbank WTW
13	Northern Cape		Pofadder/Aggeneys
14	Northern Cape		Warrenton WTW
15	Northern Cape		Andriesvale WTW
16	Northern Cape		Lambrechsdrift WTW
17	Northern Cape		Leerkrans WTW
18	Northern Cape		Louisvale WTW
19	Northern Cape		Leseding WTW
20	Northern Cape		Ntsikelelo WTW
21	Northern Cape		Raaswater WTW
22	Northern Cape		AH September WTW
23	Northern Cape		Hanover WTW
24	Northern Cape		Fraserburg WTW
25	Northern Cape		Sutherland WTW
26	Northern Cape		Williston WTW
27	Northern Cape		Petrusville WTW
28	Northern Cape		Philipstown WTW
29	Northern Cape		Vanderkloof WTW
30	Northern Cape		Brandboom WTW
31	Northern Cape		Gariep WTW
32	Northern Cape		WTW Groblershoop
33	Northern Cape		Wegdraai WTW
34	Northern Cape		Grootdrink WTW
35	Northern Cape		Olifantshoek WTW
36	Northern Cape		Kamassies WTW
37	Northern Cape		Lepelfontein WTW
38	Northern Cape		Leliefontein WTW

No	Province	WSA	WSS
39	Northern Cape		Garies WTW
40	Northern Cape		Brandvlei WTW
41	Northern Cape		Middelpos WTW
42	Northern Cape		Swartkop WTW
43	Northern Cape		Bankhara-Bodulong
44	Northern Cape		Batlharos/Maruping
45	Northern Cape		Richmond WTW
46	Northern Cape		Carnarvon WTW
47	Northern Cape		Cambell
48	Northern Cape		Douglas WTW
49	Northern Cape		Schmidtssdrift WTW
50	Northern Cape		Griekwastad WTW
51	Northern Cape		Still Water WTW
52	Northern Cape		Eirfontein WTW
53	Northern Cape		Delportshoop/Longlands WTW
54	Northern Cape		Koopmasfontein
Sub-Total: North West (37)			
1	North West	Kagisano Molopo LM	De Aar
2	North West	Kagisano Molopo LM	Tseng
3	North West	Kagisano Molopo LM	Maeng
4	North West	Kagisano Molopo LM	Kokwana
5	North West	Kagisano Molopo LM	Mabone
6	North West	Lekwa Teemane LM	Bloemhof
7	North West	Lekwa Teemane LM	Christiana
8	North West	Greater Taung LM	Reivilo
9	North West	Greater Taung LM	Pudimoe
10	North West	Greater Taung LM	Bogosing
11	North West	JB Marks LM	Ventersdorp
12	North West	JB Marks LM	Potchefstroom
13	North West	JB Marks LM	Goedgevonden
14	North West	JB Marks LM	Boikhutso
15	North West	Kgetlengrivier LM	Koster
16	North West	Kgetlengrivier LM	Swartruggens
17	North West	Kgetlengrivier LM	Derby
18	North West	Madibeng LM	Brits
19	North West	Maquassi Hills LM	Leeudoringstad (Witpoort
20	North West	Moses Kotane LM	Mmakau
21	North West	Moses Kotane LM	Molatedi
22	North West	Moses Kotane LM	Pella
23	North West	Rustenburg LM	Bospoort
24	North West	Rustenburg LM	Rustenburg BHs
25	North West	Ngaka Modiri DM	Lichtenburg
26	North West	Ngaka Modiri DM	Coligny

No	Province	WSA	WSS
27	North West	Ngaka Modiri DM	Ga Motlatla
28	North West	Ngaka Modiri DM	Ottoshoop
29	North West	Ngaka Modiri DM	Ramatlabama
30	North West	Ramotshere LM	Shupping Sat
31	North West	Ramotshere LM	Groot Marico
32	North West	Ratlou LM	Disaneng
33	North West	Tswaing LM	Delarey
34	North West	Tswaing LM	Ottosdal
35	North West	Tswaing LM	Sannieshof
36	North West	City of Matlosana	Midvaal
37	North West	Mahikeng LM	Mmabatho-Mafikeng combined
Sub-Total: Western Cape (26)			
1	Western Cape	Bergrivier LM	Piketberg
2	Western Cape	Breedevalley LM	Touwsrivier
3	Western Cape	Cederberg LM:	Leipoldtville
4	Western Cape	Cederberg LM:	Paleisheuwel
5	Western Cape	Cederberg LM:	Wupperthal
6	Western Cape	Hessequa LM	Still Bay
7	Western Cape	Hessequa LM	Slangrivier
8	Western Cape	Hessequa LM	Witsand
9	Western Cape	Hessequa LM	Jongensfontein
10	Western Cape	Hessequa LM	Melhoutfontein
11	Western Cape	Kannaland LM	Calitzdorp
12	Western Cape	Kannaland LM	Ladismith
13	Western Cape	Kannaland LM	Van Wyksdorp
14	Western Cape	Kannaland LM	Zoar
15	Western Cape	Laingsburg LM	Laingsburg
16	Western Cape	Laingsburg LM	Matjiesfontein
17	Western Cape	Matzikama LM	Kliprand
18	Western Cape	Mossel Bay LM	Lodewykstenk
19	Western Cape	Oudtshoorn LM	De Rust
20	Western Cape	Saldanha Bay LM	Saldanha Bay
21	Western Cape	Stellenbosch LM	Franschhoek
22	Western Cape	Stellenbosch LM	Stellenbosch
23	Western Cape	Swellendam LM	Buffeljagsrivier
24	Western Cape	Theewaterskloof LM	Grabouw
25	Western Cape	Theewaterskloof LM	Greyton
26	Western Cape	Theewaterskloof LM	Caledon
Total = 370 Non- Compliant water supply systems			

PROGRAMME 3: WATER SERVICES MANAGEMENT

PPI No 3.8.2: Number of WSAs assessed for compliance with the requirements of the No Drop Regulatory Programme

Provinces	Number of WSAs	Name of WSAs
Eastern Cape	14	Alfred Nzo District Municipality
		Amathole District Municipality
		Blue Crane Route Local Municipality
		Buffalo City Metropolitan Municipality
		Chris Hani District Municipality
		Dr Beyers Naudé Local Municipality
		Joe Gqabi District Municipality
		Kouga Local Municipality
		Koukamma Local Municipality
		Makana Local Municipality
		Ndlambe Local Municipality
		Nelson Mandela Bay Metropolitan Municipality
		OR Tambo District Municipality
		Sundays River Valley
Free State	19	Dihlabeng Local Municipality
		Kopanong Local Municipality
		Letsemeng Local Municipality
		Mafube Local Municipality
		Maluti-A-Phofung Local Municipality
		Mangaung Metropolitan
		Mantsopa Local Municipality
		Masilonyana Local Municipality
		Matjhabeng Local Municipality
		Metsimaholo Local Municipality
		Mohokare Local Municipality
		Moqhaka Local Municipality
		Nala Local Municipality
		Ngwathe Local Municipality
		Nketoana Local Municipality
		Phumelela Local Municipality
		Setsoto Local Municipality
		Tokologo Local Municipality
		Tswelopele Local Municipality

Provinces	Number of WSAs	Name of WSAs
Gauteng	9	City of Johannesburg Metropolitan Municipality
		City of Tshwane Metropolitan Municipality
		Ekurhuleni Metropolitan Municipality Metropolitan
		Emfuleni Local Municipality
		Lesedi Local Municipality
		Merafong City Local Municipality
		Midvaal Local Municipality
		Mogale City Local Municipality
		Rand West City Local Municipality
KZN	14	City of uMhlathuze
		Ethekwini Metropolitan
		Harry Gwala District
		Newcastle
		King Cetshwayo District
		Msunduzi
		Ugu District
		Umgungundlovu District
		Umkhanyakude District
		Umzinyathi District
		Uthukela District
		Zululand District
		Amajuba DM
		Ilembe DM
Limpopo	10	Bela-Bela Local Municipality
		Capricorn District Municipality
		Lephalale Local Municipality
		Modimolle-Mookgophong Local Municipality
		Mogalakwena Local Municipality
		Mopani District Municipality
		Polokwane Local Municipality
		Sekhukhune District Municipality
		Thabazimbi Local Municipality
		Vhembe District Municipality
Mpumalanga	17	Bushbuckridge Local Municipality
		Chief Albert Luthuli Local Municipality
		City of Mbombela Local Municipality
		Dipaleseng Local Municipality
		Dr JS Moroka Local Municipality
		Dr Pixley Ka Isaka Seme Local Municipality
		Emakhazeni Local Municipality
		Emalahleni Local Municipality
		Govan Mbeki Local Municipality

Provinces	Number of WSAs	Name of WSAs
		Lekwa Local Municipality
		Mkhondo Local Municipality
		Msukaligwa Local Municipality
		Nkomazi Local Municipality
		Steve Tshwete Local Municipality
		Thaba Chweu Local Municipality
		Thembisile Hani Local Municipality
		Victor Khanye Local Municipality
Northern Cape	26	!Kheis Local Municipality
		Dawid Kruiper Local Municipality
		Dikgatlong Local Municipality
		Emthanjeni Local Municipality
		Gamagara Local Municipality
		Ga-Segonyana Local Municipality
		Hantam Local Municipality
		Joe Morolong Local Municipality
		Kai !Garib Local Municipality
		Kamiesberg Local Municipality
		Kareeberg Local Municipality
		Karoo Hoogland Local Municipality
		Kgatelopele Local Municipality
		Khai-Ma Local Municipality
		Magareng Local Municipality
		Nama Khoi Local Municipality
		Phokwane Local Municipality
		Renosterberg Local Municipality
		Richtersveld Local Municipality
		Siyancuma Local Municipality
		Siyathemba Local Municipality
		Sol Plaatje Local Municipality
		Thembelihle Local Municipality
		Tsantsabane Local Municipality
		Ubuntu Local Municipality
		Umsobomvu Local Municipality
North West	10	City of Matlosana Local Municipality
		Dr Ruth Segomotsi Mompati District Municipality
		JB Marks Local Municipality
		Kgetlengrivier Local Municipality
		Madibeng Local Municipality
		Maquassi Hills Local Municipality
		Moretele Local Municipality
		Moses Kotane Local Municipality

Provinces	Number of WSAs	Name of WSAs
		Ngaka Modiri Molema District Municipality
		Rustenburg Local Municipality
Western Cape	25	Beaufort West Local Municipality
		Bergrivier Local Municipality
		Bitou Local Municipality
		Breede Valley Local Municipality
		Cape Agulhas Local Municipality
		Cederberg Local Municipality
		City of Cape Town Metropolitan Municipality
		Drakenstein Local Municipality
		George Local Municipality
		Hessequa Local Municipality
		Kannaland Local Municipality
		Knysna Local Municipality
		Laingsburg Local Municipality
		Langeberg Local Municipality
		Matzikama Local Municipality
		Mossel Bay Local Municipality
		Oudtshoorn Local Municipality
		Overstrand Local Municipality
		Prince Albert Local Municipality
		Saldanha Bay Local Municipality
		Stellenbosch Local Municipality
		Swartland Local Municipality
		Swellendam Local Municipality
		Theewaterskloof Local Municipality
		Witzenberg Local Municipality
Total	144	

PPI No 3.9.1: Number of feasibility studies for water and wastewater services projects (RBIG) completed

Provinces	Total number	Names	Deliverables per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Eastern Cape	1	Kinira Dam	-	-	-	Kinira Dam
	1	Matatiele Ntabankulu BWS	-	-	-	Matatiele Ntabankulu BWS
Limpopo	1	Nandoni BWS	-	-	-	Nandoni BWS
Northern Cape	1	Kakamas WWTW	-	-	-	Kakamas WWTW
	1	Port Nolloth Bulkwater Supply	-	-	-	Port Nolloth Bulkwater Supply
Mpumulanaga	1	Emalahleni Bulk Water Supply Phase 3	-	-	-	Emalahleni Bulk Water Supply Phase 3
	1	Northern Nsikazi Bulk Water Supply Phase 2	-	-	-	Northern Nsikazi Bulk Water Supply Phase 2
North West	1	Kagisano Molopo Bona-Bona BWS	-	-	-	Kagisano Molopo Bona-Bona BWS
Total	8					8

PPI 3.9.2 : Number of implementation readiness studies for water and wastewater services projects (RBIG) completed

Provinces	Total number	Names	Deliverables per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Northern Cape	1	Calvinia BWS	-	-	-	Calvinia BWS
	1	Postmasburg Bulk Water Supply -	-	-	-	Postmasburg Bulk Water Supply
	1	Postmansburg Bulk Sewer-	-	-	-	Postmansburg Bulk Sewer-
Limpopo	1	Mametga Sekororo Bulk Water Supply -	-	-	-	Mametga Sekororo Bulk Water Supply -
	1	Polokwane – Water Resource Development -	--	-	-	Polokwane – Water Resource Development
Total	5		-	-	-	5

PPI No 3.9.3.1: Number of mega regional bulk infrastructure project phases under construction

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 5B						
Eastern Cape	1	• KSD PI Bulk Supply Phase 3 of 9 (highbury WTW)	1 • KSD PI Bulk Supply Phase 3 of 9 (highbury WTW)	1 • KSD PI Bulk Supply Phase 3 of 9 (highbury WTW)	1 • KSD PI Bulk Supply Phase 3 of 9 (highbury WTW)	1 • KSD PI Bulk Supply Phase 3 of 9 (highbury WTW)
Kwa-Zulu Natal	2	• Greater Mthonjaneni BWS Phase 2 of 2 • uMshwathi BWS Phase 4 of 5	2 • Greater Mthonjaneni BWS Phase 2 of 2 • uMshwathi BWS Phase 4 of 5	2 • Greater Mthonjaneni BWS Phase 2 of 2 • uMshwathi BWS Phase 4 of 5	2 • Greater Mthonjaneni BWS Phase 2 of 2 • uMshwathi BWS Phase 4 of 5	2 • Greater Mthonjaneni BWS Phase 2 of 2 • uMshwathi BWS Phase 4 of 5
Limpopo	1	• Polokwane RWWTW phase 2	1 • Polokwane RWWTW phase 2	1 • Polokwane RWWTW phase 2	1 • Polokwane RWWTW phase 2	1 • Polokwane RWWTW phase 2
Northern Cape	2	• Vaal Gamagara bulk pipeline Phase 1 of 2 • Namakwa BWS Phase 2 of 2	2 Vaal Gamagara bulk pipeline Phase 1 of 2 Namakwa BWS Phase 2 of 2	2 • Vaal Gamagara bulk pipeline Phase 1 of 2 • Namakwa BWS Phase 2 of 2	2 • Vaal Gamagara bulk pipeline Phase 1 of 2 • Namakwa BWS Phase 2 of 2	1 • Namakwa BWS
Sub Total	**6**		**6**	**6**	**6**	**6**
Schedule 6B						
Gauteng	1	• Sebokeng WWTW Phase 2 of 2	-	-	1 • Sebokeng WWTW Phase 2 of 2	1 • Sebokeng WWTW Phase 2 of 2
Limpopo	1	• Mogalakwena Phase 2 of 2	1 • Mogalakwena Phase 2 of 2	1 • Mogalakwena Phase 2 of 2	1 • Mogalakwena Phase 2 of 2	1 • Mogalakwena Phase 2 of 2
Sub Total	**2**		**1**	**1**	**2**	**2**
Total	**8**		**7**	**7**	**8**	**8**

PPI No 3.9.4.1: Number of mega regional bulk infrastructure project phases completed

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 6B						
Northern Cape	1	• Vaal Gamagara bulk pipeline Phase 1 of 2	-	-	-	1 • Vaal Gamagara bulk pipeline Phase 1 of 2
Total	1		-	-	-	1

PPI No 3.9.3.2: Number of large regional bulk infrastructure project phases under construction

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 5B						
Eastern Cape	9	• CHDM Cluster 4 Phase 3 of 9 (bulk pipeline and reservoir from Sikhungwini to Lady Frere) • CHDM Cluster 4 Phase 4 of 9 (bulk pipeline and reservoir from Sikhungwini to Ngxumza) • CHDM Cluster 4 Phase 5 of 9 (Primary Steel Main and Pump Station from Ngxumza to Ndum Ndum Reservoir • CHDM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • CHDM Cluster 6 Phase 6 of 6 (Gqaga rising main,Mnyolo) • CHDM Cluster 6 Phase 4 of 6 (Gqaga rising main West) • CHDM Cluster 9 Phase 3 D of 5 (Bulk pipeline from Jojweni to Xolobe, including reservoir and pumps) • Chris Hani Cluster 9 phase 4 of 5 (Bulk connection and distribution to Xolobe, Banzi & southern bulk, Tsomo town bulk line and reservoir)	8 • CHDM Cluster 4 Phase 3 of 9 (bulk pipeline and reservoir from Sikhungwini to Lady Frere) • CHDM Cluster 4 Phase 4 of 9 (bulk pipeline and reservoir from Sikhungwini to Ngxumza) • CHDM Cluster 4 Phase 5 of 9 (Primary Steel Main and Pump Station from Ngxumza to Ndum Ndum Reservoir) • CHDM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • CHDM Cluster 6 Phase 4 of 6 (Gqaga rising main West) • CHDM Cluster 6 Phase 6 of 6 (Gqaga rising main,Mnyolo) • CHDM Cluster 9 Phase 3 D of 5 (Bulk pipeline from Jojweni to Xolobe, including reservoir and pumps) • Chris Hani Cluster 9 phase 4 of 5 (Bulk connection and distribution to Xolobe, Banzi & southern bulk, Tsomo town bulk line and reservoir)	7 • CHDM Cluster 4 Phase 3 of 9 (bulk pipeline and reservoir from Sikhungwini to Lady Frere) • CHDM Cluster 4 Phase 4 of 9 (bulk pipeline and reservoir from Sikhungwini to Ngxumza) • CHDM Cluster 6 Phase 6 of 6 (Gqaga rising main, Mnyolo) • CHDM Cluster 6 Phase 4 of 6 (Gqaga rising main West) • CHDM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • CHDM Cluster 9 Phase 3 D of 5 (Bulk pipeline from Jojweni to Xolobe, including reservoir and pumps) • Chris Hani Cluster 9 phase 4 of 5 (Bulk connection and distribution to Xolobe, Banzi & southern bulk, Tsomo town bulk line and reservoir)	6 • CHDM Cluster 4 Phase 3 of 9 (bulk pipeline and reservoir from Sikhungwini to Lady Frere) • CHDM Cluster 4 Phase 4 of 9 (bulk pipeline and reservoir from Sikhungwini to Ngxumza) • CHDM Cluster 6 Phase 6 of 6 (Gqaga rising main, Mnyolo) • CHDM Cluster 9 Phase 3 D of 5 (Bulk pipeline from Jojweni to Xolobe, including reservoir and pumps) • CHDM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • Chris Hani Cluster 9 phase 4 of 5 (Bulk connection and distribution to Xolobe, Banzi & southern bulk, Tsomo town bulk line and reservoir)	7 • CHDM Cluster 4 Phase 3 of 9 (bulk pipeline and reservoir from Sikhungwini to Lady Frere) • CHDM Cluster 4 Phase 4 of 9 (bulk pipeline and reservoir from Sikhungwini to Ngxumza) • CHDM Cluster 6 Phase 6 of 6 (Gqaga rising main, Mnyolo) • CHDM Cluster 9 Phase 3 D of 5 (Bulk pipeline from Jojweni to Xolobe, including reservoir and pumps) • Chris Hani Cluster 9 phase 4 of 5 (Bulk connection and distribution to Xolobe, Banzi & southern bulk, Tsomo town bulk line and reservoir) • CHDM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • Xonxa BWS Phase 2 of 2 (Machibini and iLinge Water Supply)
Free State	2	• Ngwathe Bulk Water Supply Phase 3 of 3 • Setsoto BWS Phase 3 of 4	2 • Ngwathe Bulk Water Supply Phase 3 of 3 • Setsoto BWS Phase 3 of 4	2 • Ngwathe Bulk Water Supply Phase 3 of 3 • Setsoto BWS Phase 3 of 4	2 • Setsoto BWS Phase 3 of 4 • Ngwathe Bulk Water Supply Phase 3 of 3	2 • Setsoto BWS Phase 3 of 4 • Ngwathe Bulk Water Supply Phase 3 of 3
Gauteng	0	-	-	-	-	-

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
KwaZulu-Natal	7	7 • Driefontein BWS Ph 2 of 3 • Greater Bulwer BWS Ph 1 of 1 • Mandlakazi BWS Ph 5 of 5 • Greater Mpofana BWS Ph 1 of 3 • Maphumulo BWS Ph 3 of 4 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	7 • Driefontein BWS Ph 2 of 3 • Greater Bulwer BWS Ph 1 of 1 • Mandlakazi BWS Ph 5 of 5 • Greater Mpofana BWS Ph 1 of 3 • Maphumulo BWS Ph 3 of 4 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	7 • Driefontein BWS Ph 2 of 3 • Greater Bulwer BWS Ph 1 of 1 • Mandlakazi BWS Ph 5 of 5 • Greater Mpofana BWS Ph 1 of 3 • Maphumulo BWS Ph 3 of 4 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	7 • Driefontein BWS Ph 2 of 3 • Greater Bulwer BWS Ph 1 of 1 • Mandlakazi BWS Ph 5 of 5 • Greater Mpofana BWS Ph 1 of 3 • Maphumulo BWS Ph 3 of 4 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	7 • Driefontein BWS Ph 2 of 3 • Greater Bulwer BWS Ph 1 of 1 • Mandlakazi BWS Ph 5 of 5 • Greater Mpofana BWS Ph 1 of 3 • Maphumulo BWS Ph 3 of 4 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2
Limpopo	0	-	-	-	-	-
Mpumalanga	13	• Empuluzi phase 1 of 8 • Empuluzi phase 3B of 8 • Empuluzi phase 5 of 8 • Empuluzi phase 6 of 8 • Empuluzi phase 7 of 8 • Msukaligwa (cluster 2) phase 1 of 2 • Msukaligwa (cluster 2) phase 2 of 2 • Steve Tshwete Water Services phase 2 of 2 • Driekoppies RBWS phase 2B of 5 • Driekoppies RBWS phase 2C of 5 • Driekoppies RBWS phase 3A of 5 • Driekoppies RBWS phase 3C of 5 • Northern Nsikazi phase 2 of 3	11 • Empuluzi phase 3B of 8 • Empuluzi phase 5 of 8 • Empuluzi phase 6 of 8 • Empuluzi phase 7 of 8 • Msukaligwa (cluster 2) phase 1 of 2 • Msukaligwa (cluster 2) phase 2 of 2 • Steve Tshwete Water Services phase 2 of 2 • Driekoppies RBWS phase 2B of 5 • Driekoppies RBWS phase 2C of 5 • Driekoppies RBWS phase 3A of 5 • Driekoppies RBWS phase 3C of 5	12 • Empuluzi phase 3B of 8 • Empuluzi phase 5 of 8 • Empuluzi phase 6 of 8 • Empuluzi phase 7 of 8 • Msukaligwa (cluster 2) phase 1 of 2 • Msukaligwa (cluster 2) phase 2 of 2 • Steve Tshwete Water Services phase 2 of 2 • Driekoppies RBWS phase 2B of 5 • Driekoppies RBWS phase 2C of 5 • Driekoppies RBWS phase 3A of 5 • Driekoppies RBWS phase 3C of 5 • Northern Nsikazi phase 2 of 3	11 • Empuluzi phase 5 of 8 • Empuluzi phase 6 of 8 • Empuluzi phase 7 of 8 • Msukaligwa (cluster 2) phase 1 of 2 • Msukaligwa (cluster 2) phase 2 of 2 • Steve Tshwete Water Services phase 2 of 2 • Driekoppies RBWS phase 2B of 5 • Driekoppies RBWS phase 2C of 5 • Driekoppies RBWS phase 3A of 5 • Driekoppies RBWS phase 3C of 5 • Northern Nsikazi phase 2 of 3	12 • Empuluzi phase 1 of 8 • Empuluzi phase 5 of 8 • Empuluzi phase 6 of 8 • Empuluzi phase 7 of 8 • Msukaligwa (cluster 2) phase 1 of 2 • Msukaligwa (cluster 2) phase 2 of 2 • Steve Tshwete Water Services phase 2 of 2 • Driekoppies RBWS phase 2B of 5 • Driekoppies RBWS phase 2C of 5 • Driekoppies RBWS phase 3A of 5 • Driekoppies RBWS phase 3C of 5 • Northern Nsikazi phase 2 of 3
Northern Cape	0	-	-	-	-	--

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
North West	4	• Greater Mamusa BWS Phase 3 of 4 • Greater Mamusa BWS Phase 4 of 4 • Taung / Naledi BWS Phase 2 of 3 • Taung / Naledi BWS Phase 3 of 3	4 • Greater Mamusa BWS Phase 3 of 4 • Greater Mamusa BWS Phase 4 of 4 • Taung / Naledi BWS Phase 2 of 3 • Taung / Naledi BWS Phase 3 of 3	4 • Greater Mamusa BWS Phase 3 of 4 • Greater Mamusa BWS Phase 4 of 4 • Taung / Naledi BWS Phase 2 of 3 • Taung / Naledi BWS Phase 3 of 3	4 • Greater Mamusa BWS Phase 3 of 4 • Greater Mamusa BWS Phase 4 of 4 • Taung / Naledi BWS Phase 2 of 3 • Taung / Naledi BWS Phase 3 of 3	4 • Greater Mamusa BWS Phase 3 of 4 • Greater Mamusa BWS Phase 4 of 4 • Taung / Naledi BWS Phase 2 of 3 • Taung / Naledi BWS Phase 3 of 3
Western Cape	0	-	-	-	-	-
Sub Total	35		32	32	30	32
Schedule 6B						
Eastern Cape	4	• Ndlambe BWS phase 1 of 1 • Xhora BWS phase 2 of 2 (Bulk pipelines and reservoirs) • Ngqamakhwe RSS phase 1 of 3 (pump station at Tsomo WTW, pipeline to Reservoir in Ngqamakhwe) • Mt Ayliff Peri Urban BWS Phase 1 of 2	4 • Ndlambe BWS phase 1 of 1 • Xhora BWS phase 2 of 2 (Bulk pipelines and reservoirs) • Ngqamakhwe RSS phase 1 of 3 (pump station at Tsomo WTW, pipeline to Reservoir in Ngqamakhwe) • Mt Ayliff Peri Urban BWS Phase 1 of 2	4 • Ndlambe BWS phase 1 of 1 • Xhora BWS phase 2 of 2 (Bulk pipelines and reservoirs) • Ngqamakhwe RSS phase 1 of 3 (pump station at Tsomo WTW, pipeline to Reservoir in Ngqamakhwe) • Mt Ayliff Peri Urban BWS Phase 1 of 2	4 • Ndlambe BWS phase 1 of 1 • Xhora BWS phase 2 of 2 (Bulk pipelines and reservoirs) • Ngqamakhwe RSS phase 1 of 3 (pump station at Tsomo WTW, pipeline to Reservoir in Ngqamakhwe) • Mt Ayliff Peri Urban BWS Phase 1 of 2	4 • Ndlambe BWS phase 1 of 1 • Xhora BWS phase 2 of 2 (Bulk pipelines and reservoirs) • Ngqamakhwe RSS phase 1 of 3 (pump station at Tsomo WTW, pipeline to Reservoir in Ngqamakhwe) • Mt Ayliff Peri Urban BWS Phase 1 of 2
Free State	5	• Masilonyana BWS Phase 2 of 2 • Tokologo BWS Phase 2 of 3 • Maluti-a-Phofung BWS Phase 4 of 4 • Dihlabeng BWS Phase 3 of 3 • Nketoana BWS Phase 1 of 2	• 5 • Masilonyana BWS Phase 2 of 2 • Tokologo BWS Phase 2 of 3 • Maluti-a-Phofung BWS Phase 4 of 4 • Dihlabeng BWS Phase 3 of 3 • Nketoana BWS Phase 1 of 2	5 • Masilonyana BWS Phase 2 of 2 • Tokologo BWS Phase 2 of 3 • Maluti-a-Phofung BWS Phase 4 of 4 • Dihlabeng BWS Phase 3 of 3 • Nketoana BWS Phase 1 of 2	5 • Masilonyana BWS Phase 2 of 2 • Tokologo BWS Phase 2 of 3 • Dihlabeng BWS Phase 3 of 3 • Nketoana BWS Phase 1 of 2 • Maluti-a-Phofung BWS Phase 4 of 4	5 • Masilonyana BWS Phase 2 of 2 • Tokologo BWS Phase 2 of 3 • Dihlabeng BWS Phase 3 of 3 • Nketoana BWS Phase 1 of 2 • Maluti-a-Phofung BWS Phase 4 of 4
Gauteng	1	• Meyerton WWTW Phase 2 of 3	1 • Meyerton WWTW Phase 2 of 3	1 • Meyerton WWTW Phase 2 of 3	1 • Meyerton WWTW Phase 2 of 3	1 • Meyerton WWTW Phase 2 of 3

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	11	• Babanana BWS phase1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1of 1 (Nandoni to Nsami) • Mametja Sekoro BWS Phase 2 of 2 • Moutse Phase 1 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase 15 • Mooihoek BWS phase 4 of 4 • Nebo phase 3of 3	11 • Babanana BWS phase1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1of 1 (Nandoni to Nsami) • Mametja Sekoro BWS Phase 2 of 2 • Moutse Phase 1 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase 15 • Mooihoek BWS phase 4 of 4 • Nebo phase 3of 3	11 • Babanana BWS phase1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1of 1 (Nandoni to Nsami) • Mametja Sekoro BWS Phase 2 of 2 • Moutse Phase 1 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase 15 • Mooihoek BWS phase 4 of 4 • Nebo phase 3of 3	11 • Babanana BWS phase1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1of 1 (Nandoni to Nsami) • Mametja Sekoro BWS Phase 2 of 2 • Moutse Phase 1 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase 15 • Mooihoek BWS phase 4 of 4 • Nebo phase 3of 3	11 • Babanana BWS phase1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1of 1 (Nandoni to Nsami) • Mametja Sekoro BWS Phase 2 of 2 • Moutse Phase 1 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase 15 • Mooihoek BWS phase 4 of 4 • Nebo phase 3of 3
Mpumalanga	7	• Balfour/ Siyathemba RBWS Phase 4 of 6 • Balfour/ Siyathemba RBWS Phase 5 of 6 • Driekoppies RBWS phase 1A of 5 • Driekoppies RBWS phase 4 of 5 • Driekoppies RBWS phase 5 of 5 • Amsterdam/ Sheepmoor phase 4 of 4 • Eesterhoek BWS Phase 3 of 3	4 • Balfour/ Siyathemba RBWS Phase 4 of 6 • Driekoppies RBWS phase 1A of 5 • Amsterdam/ Sheepmoor phase 4 of 4 • Eesterhoek BWS Phase 3 of 3	4 • Balfour/ Siyathemba RBWS Phase 4 of 6 • Driekoppies RBWS phase 1A of 5 • Amsterdam/ Sheepmoor phase 4 of 4 • Eesterhoek BWS Phase 3 of 3	4 • Balfour/ Siyathemba RBWS Phase 4 of 6 • Driekoppies RBWS phase 1A of 5 • Amsterdam/ Sheepmoor phase 4 of 4 • Eesterhoek BWS Phase 3 of 3	7 • Balfour/ Siyathemba RBWS Phase 4 of 6 • Balfour/ Siyathemba RBWS Phase 5 of 6 • Driekoppies RBWS phase 1A of 5 • Driekoppies RBWS phase 4 of 5 • Driekoppies RBWS phase 5 of 5 • Amsterdam/ Sheepmoor phase 4 of 4 • Eesterhoek BWS Phase 3 of 3
Northern Cape	0	-	-	-	-	-

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
North West	5	• Tlokwe (Potchefstroom) WTW Phase 3 of 5 • Madibeng (Brits) Phase 2 of 3 WTW • Moretele South Bulk Phase 3 of 4 • Mafikeng BWS Phase 2 of 4 (WTW) • Ratlou (Madibogo) Phase 2 of 3	4 • Tlokwe (Potchefstroom) WTW Phase 3 of 5 • Madibeng (Brits) Phase 2 of 3 WTW • Moretele South Bulk Phase 3 of 4 • Mafikeng BWS Phase 2 of 4 (WTW)	4 • Tlokwe (Potchefstroom) WTW Phase 3 of 5 • Madibeng (Brits) Phase 2 of 3 WTW • Moretele South Bulk Phase 3 of 4 • Mafikeng BWS Phase 2 of 4 (WTW)	4 • Tlokwe (Potchefstroom) WTW Phase 3 of 5 • Madibeng (Brits) Phase 2 of 3 WTW • Moretele South Bulk Phase 3 of 4 • Mafikeng BWS Phase 2 of 4 (WTW)	5 • Tlokwe (Potchefstroom) WTW Phase 3 of 5 • Madibeng (Brits) Phase 2 of 3 WTW • Moretele South Bulk Phase 3 of 4 • Mafikeng BWS (WTW) Phase 2 of 4 • Ratlou (Madibogo) Phase 2 of 3
Western Cape	0	-	-	-	-	-
Sub Total	33	-	29	29	29	33
Total	68	-	61	61	59	65

PPI No 3.9.4.2: Number of large regional bulk infrastructure project phases completed

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 5B						
Eastern Cape	3	• CHDM Cluster 4 Phase 4 of 9 (bulk pipeline and reservoir from Sikhungwini to Ngxumza) • CHDM Cluster 4 Phase 5 of 9 (Primary Steel Main and Pump Station from Ngxumza to Ndum Ndum Reservoir) • CHDM Cluster 6 Phase 4 of 6 (Gqaga rising main West)	-	1 CHDM Cluster 6 Phase 4 of 6 (Gqaga rising main West)	-	2 • CHDM Cluster 4 Phase 4 of 9 (bulk pipeline and reservoir from Sikhungwini to Ngxumza) • CHDM Cluster 4 Phase 5 of 9 (Primary Steel Main and Pump Station from Ngxumza to Ndum Ndum Reservoir)
Free State	1	• Ngwathe BWS Phase 3 of 3	-	-	-	1 • Ngwathe BWS Phase 3 of 3
Gauteng	0	-	-	-	-	-
KwaZulu-Natal	2	• Driefontein BWS Ph 2 of 3 • Greytown BWS Phase 2 of 2	-	-	-	2 • Driefontein BWS Ph 2 of 3 • Greytown BWS Phase 2 of 2
Limpopo	0	-	-	-	-	-
Mpumalanga	3	• Empuluzi phase 3B of 8 • Empuluzi phase 5 of 8 • Empuluzi phase 6 of 8	-	1 • Empuluzi phase 3B of 8	-	2 • Empuluzi phase 5 of 8 • Empuluzi phase 6 of 8
Northern Cape	0	-	-	-	-	-
North West	1	• Greater Mamusa BWS Phase 3 of 4	-	-	-	1 • Greater Mamusa BWS Phase 3 of 4
Western Cape	0	-	-	-	-	-
Sub Total	**10**		**0**	**2**	**0**	**8**
Schedule 6B						
Eastern Cape	0	0	-	-	-	-
Free State	1	• Maluti-a-Phofung BWS Phase 4 of 4	-	-	-	1 • Maluti-a-Phofung BWS Phase 4 of 4
Gauteng	0	-	-	-	-	-
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	1	• Mametja Sekororo BWS Phase 1 of 2	-	-	-	1 • Mametja Sekororo BWS Phase 1 of 2
Mpumalanga	1	• Driekoppies RBWS phase 1A of 5	-	-	-	1 • Driekoppies RBWS phase 1A of 5
Northern Cape	0	-	-	-	-	-
North West	0	-	-	-	-	-
Western Cape	0	-	-	-	-	-
Sub Total	**3**		**0**	**0**	**0**	**3**
Total (5B + 6B)	13		0	2	0	11

PPI No 3.9.3.3: Number of small regional bulk infrastructure project phases under construction

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 5B						
Eastern Cape	0	-	-	-	-	-
Free State	0	-	-	-	-	-
Gauteng	0	-	-	-	-	-
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	0	-	-	-	-	-
Mpumalanga	0	-	-	-	-	-
Northern Cape	1	• Vanwyksvlei BWS Phase 2 of 2	1 • Vanwyksvlei BWS Phase 2 of 2	1 • Vanwyksvlei BWS Phase 2 of 2	-	-
North West	0	-	-	-	-	-
Western Cape	1	Tulbagh BWS Phase 12 of 13	-	1 Tulbagh BWS Phase 12 of 13	1 Tulbagh BWS Phase 12 of 13	1 Tulbagh BWS Phase 12 of 13
Sub Total	**2**		**1**	**2**	**1**	**1**
Schedule 6B						
Eastern Cape	5	• James Kleynhans BWS Phase 2 of 4 (WTW upgrade) • Graff reinett Phase 2 of 2 (augmentation of groundwater) • Ikhwezi BWS Phase 1 of 1 • Misgund Bulk Water Supply Phase 1 of 1 • Kirkwood Bulk Water Supply Scheme Phase 1 of 1	3 • James Kleynhans BWS Phase 2 of 4 (WTW upgrade) • Graff reinett Phase 2 of 2 (augmentation of groundwater) • Ikhwezi BWS Phase 1 of 1	3 • Ikhwezi BWS Phase 1 of 1 • James Kleynhans BWS Phase 2 of 4 (WTW upgrade) • Graff reinett Phase 2 of 2 (augmentation of groundwater)	3 • Ikhwezi BWS Phase 1 of 1 • James Kleynhans BWS Phase 2 of 4 (WTW upgrade) • Graff reinett Phase 2 of 2 (augmentation of groundwater)	3 Ikhwezi BWS Phase 1 of 1 Misgund Bulk Water Supply Phase 1 of 1 Kirkwood Bulk Water Supply Scheme Phase 1 of 1
Free State	3	• Mafube Bulk Sewer Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 • Tswelopele BWS Phase 2 of 2	3 • Mafube Bulk Sewer Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 • Tswelopele BWS Phase 2 of 2	3 • Mafube Bulk Sewer Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 • Tswelopele BWS Phase 2 of 2	3 • Mafube Bulk Sewer Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 • Tswelopele BWS Phase 2 of 2	3 • Mafube Bulk Sewer Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 • Tswelopele BWS Phase 2 of 2

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Gauteng	2	• Rothdene rising main phase 2 of 2 • Mohlakeng Pump Station	1 • Rothdene rising main phase 2 of 2	1 • Rothdene rising main phase 2 of 2	2 • Rothdene rising main phase 2 of 2 • Mohlakeng Pump Station	2 • Rothdene rising main phase 2 of 2 • Mohlakeng Pump Station
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	0	-	-	-	-	-
Mpumalanga	2	• Rooikoppen/ Sakhile Bulk Outfall Sewer phase 2 of 2 • Sibange phase 2 of 5	2 • Rooikoppen/ Sakhile Bulk Outfall Sewer phase 2 of 2 • Sibange phase 2 of 5	1 • Sibange phase 2 of 5	1 • Sibange phase 2 of 5	-
Northern Cape	1	Upington WWTW Phase 1 of 1	1 Upington WWTW Phase 1 of 1	1 Upington WWTW Phase 1 of 1	-	-
North West	0	-	-	-	-	-
Western Cape	2	• Lamberts Bay Desalination plant • Klawer BWS	1 • Lamberts Bay Desalination plant	2 • Lamberts Bay Desalination plant • Klawer BWS	2 • Lamberts Bay Desalination plant • Klawer BWS	2 • Lamberts Bay Desalination plant • Klawer BWS
Sub Total	**15**	**-**	**11**	**11**	**11**	**10**
Total	17		12	13	12	11

PPI No 3.9.4.3: Number of small regional bulk infrastructure project phases completed

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 5B						
Eastern Cape	0	-	-	-	-	-
Free State	0	-	-	-	-	-
Gauteng	0	-	-	-	-	-
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	0	-	-	-	-	-
Mpumalanga	0	-	-	-	-	-
Northern Cape	1	• Vanwyksvlei BWS Phase 2 of 2	-	1 • Vanwyksvlei BWS Phase 2 of 2	-	-
North West	0	-	-	-	-	-
Western Cape	0	-	-	-	-	-
Sub-Total	1		-	1	-	-
Schedule 6B						
Eastern Cape	2	• James Kleynhans BWS Phase 2 of 4 (WTW upgrade) • Graff reinett Phase 2 of 2 (augmentation of groundwater)	-	-	2 • James Kleynhans BWS Phase 2 of 4 (WTW upgrade) • Graff reinett Phase 2 of 2 (augmentation of groundwater)	-
Free State	1	Metsimaholo Bulk Sewer Phase 1 of 1	-	-	-	1 • Metsimaholo Bulk Sewer Phase 1 of 1
Gauteng	0	-	-	-	-	-
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	0	-	-	-	-	-
Mpumalanga	2	• Sibange Phase 2 of 5 • Rooikoppen/ Sakhile Bulk Outfall Sewer phase 2 of 2	1 • Rooikoppen/ Sakhile Bulk Outfall Sewer phase 2 of 2	-	1 • Sibange Phase 2 of 5	-
Northern Cape	1	• Upington WWTW Phase 1 of 1	-	1 • Upington WWTW Phase 1 of 1	-	-
North West	0	-	-	-	-	-
Western Cape	1	• Lamberts Bay Desalination plant	-	-	-	1 • Lamberts Bay Desalination plant
Sub-Total	**7**		**1**	**1**	**3**	**2**
TOTAL	8		1	2	3	2

PPI No.3.10.1: Number of small WSIG projects under construction

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 5B						
Eastern Cape	22	• OR Tambo (3) • Alfred Nzo (3) • Amathole (3) • Chris Hani (2) • Joe Gqabi (2) • Blue Crane Route (2) • Ndlambe (1) • Makana (2) • Sundays River Valley (2) • Dr Beyers Naude (2)	9 • OR Tambo (1) • Alfred Nzo (1) • Amathole (1) • Chris Hani (1) • Joe Gqabi (1) • Blue Crane Route (1) • Makana (1) • Sundays River Valley (1) • Dr Beyers Naude (1)	0	7 • Alfred Nzo (1) • Chris Hani (1) • Blue Crane Route (1) • Ndlambe (1) • Makana (1) • Sundays River Valley (1) • Dr Beyers Naude (1)	13 • OR Tambo (2) • Alfred Nzo (2) • Amathole (2) • Chris Hani (1) • Joe Gqabi (1) • Blue Crane Route (1) • Ndlambe (1) • Makana (1) • Sundays River Valley (1) • Dr Beyers Naude (1)
Free State	25	• Matjhabeng (1) • Masilonyana (1) • Tokologo (1) • Tswelopele (2) • Nala (1) • Mohokare (2) • Letsemeng (1) • Kopanong (1) • Dihlabeng (2) • Maluti-a-Phofung (2) • Mantsopa (2) • Nketoana (1) • Phumelela (1) • Setsoto (2) • Ngwathe (1) • Mafube (2) • Metsimaholo (1) • Moqhaka (1)	20 • Matjhabeng (1) • Masilonyana (1) • Tokologo (1) • Tswelopele (1) • Nala (1) • Dihlabeng (2) • Maluti-a-Phofung (2) • Mantsopa (2) • Nketoana (1) • Phumelela (1) • Setsoto (2) • Ngwathe (1) • Mafube (2) • Metsimaholo (1) • Moqhaka (1)	18 • Matjhabeng (1) • Masilonyana (1) • Tokologo (1) • Tswelopele (1) • Dihlabeng (2) • Maluti-a-Phofung (2) • Mantsopa (2) • Nketoana (1) • Phumelela (1) • Setsoto (2) • Ngwathe (1) • Mafube (1) • Metsimaholo (1) • Moqhaka (1)	23 • Matjhabeng (1) • Masilonyana (1) • Tokologo (1) • Tswelopele (2) • Mohokare (2) • Letsemeng (1) • Kopanong(1) • Dihlabeng (2) • Maluti-a-Phofung (2) • Mantsopa (2) • Nketoana (1) • Phumelela (1) • Setsoto (2) • Ngwathe (1) • Mafube (1) • Metsimaholo (1) • Moqhaka (1)	23 • Matjhabeng (1) • Masilonyana (1) • Tokologo (1) • Tswelopele (2) • Mohokare (2) • Letsemeng (1) • Kopanong(1) • Dihlabeng (2) • Maluti-a-Phofung (2) • Mantsopa (2) • Nketoana (1) • Phumelela (1) • Setsoto (2) • Ngwathe (1) • Mafube (1) • Metsimaholo (1) • Moqhaka (1)
Gauteng	10	• Lesedi LM (2) • Midvaal (2) • Mogale City (2) • Merafong City (2) • Rand West (2)	2 • Lesedi LM (2)	0	8 • Midvaal (2) • Mogale City (2) • Merafong City (2) • Rand West (2)	8 • Midvaal (2) • Mogale City (2) • Merafong City (2) • Rand West (2)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
KwaZulu Natal	30	• Amajuba (3) • Harry Gwala (5) • iLembe (2) • King Cetshwayo (3) • Msunduzi (1) • Newcastle (1) • Ugu (1) • uMgungundlovu (1) • uMhlathuze (1) • uMkhanyakude (3) • uMzinyathi (3) • uThukela (3) • Zululand (3)	30 • Amajuba (3) • Harry Gwala (5) • iLembe (2) • King Cetshwayo (3) • Msunduzi (1) • Newcastle (1) • Ugu (1) • uMgungundlovu (1) • uMhlathuze (1) • uMkhanyakude (3) • uMzinyathi (3) • uThukela (3) • Zululand (3)	30 • Amajuba (3) • Harry Gwala (5) • iLembe (2) • King Cetshwayo (3) • Msunduzi (1) • Newcastle (1) • Ugu (1) • uMgungundlovu (1) • uMhlathuze (1) • uMkhanyakude (3) • uMzinyathi (3) • uThukela (3) • Zululand (3)	30 • Amajuba (3) • Harry Gwala (5) • iLembe (2) • King Cetshwayo (3) • Msunduzi (1) • Newcastle (1) • Ugu (1) • uMgungundlovu (1) • uMhlathuze (1) • uMkhanyakude (3) • uMzinyathi (3) • uThukela (3) • Zululand (3)	30 • Amajuba (3) • Harry Gwala (5) • iLembe (2) • King Cetshwayo (3) • Msunduzi (1) • Newcastle (1) • Ugu (1) • uMgungundlovu (1) • uMhlathuze (1) • uMkhanyakude (3) • uMzinyathi (3) • uThukela (3) • Zululand (3)
Limpopo	63	• Capricorn LM (9) • Polokwane LM (8) • Mogalakwena LM (9) • Vhembe DM (10) • Mopani DM (15) • Belal Bela LM (12)	40 • Capricorn (9) • Polokwane (3) • Mogalakwena (5) • Vhembe DM (10) • Mopani DM (11) • Bela bela (2)	44 • Capricorn (2) • Polokwane (8) • Mogalakwena (5) • Vhembe DM (8) • Mopani DM (9) • Bela bela (12)	40 • Capricorn (9) • Polokwane (5) • Mogalakwena (4) • Vhembe DM (8) • Mopani DM (4) • Bela bela (10)	40 • Capricorn (9) • Polokwane (5) • Mogalakwena (4) • Vhembe DM (8) • Mopani DM (4) • Bela bela (10)
Mpumalanga	34	• Chief Albert Luthuli (4) • Mkondo (2) • Msukaligwa (2) • Dr Pixley ka Iseme (3) • Bushbuckridge (4) • Nkomazi (5) • Thaba Chweu (2) • City of Mbombela (4) • Emakhazeni (3) • Steve Tshwete (2) • Thembisile (3)	20 • Chief Albert Luthuli (2) • Mkondo (1) • Msukaligwa (1) • Dr Pixley ka Iseme (3) • Bushbuckridge (2) • Nkomazi (3) • Thaba Chweu (1) • City of Mbombela (2) • Emakhazeni (2) • Steve Tshwete (1) • Thembisile (2)	12 • Chief Albert Luthuli (1) • Mkondo (1) • Msukaligwa (1) • Dr Pixley ka Iseme (3) • Bushbuckridge (2) • Nkomazi (1) • Thaba Chweu (1) • City of Mbombela (0) • Emakhazeni (1) • Steve Tshwete (0) • Thembisile (1)	20 • Chief Albert Luthuli (3) • Mkondo (1) • Msukaligwa (1) • Dr Pixley ka Iseme (3) • Bushbuckridge (2) • Nkomazi (3) • Thaba Chweu (1) • City of Mbombela (2) • Emakhazeni (2) • Steve Tshwete (1) • Thembisile (1)	17 • Chief Albert Luthuli (2) • Mkondo (1) • Msukaligwa (1) • Dr Pixley ka Iseme (3) • Bushbuckridge (2) • Nkomazi (2) • Thaba Chweu (1) • City of Mbombela (2) • Emakhazeni (1) • Steve Tshwete (1) • Thembisile (1)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
North West	27	• Moses Kotane (6) • Moretele (6) • JB Marks (2) • Matlosana (3) • Maquassi Hills (2) • Dr Ruth (8)	13 • Dr Ruth (4) • Moses Kotane (3) • Moretele (3) • JB Marks (1) • Matlosana (1) • Maquassi Hills (1)	14 • Dr Ruth (4) • Moses Kotane (3) • Moretele (3) • JB Marks (1) • Matlosana (2) • Maquassi Hills (1)	14 • Dr Ruth (4) • Moses Kotane (3) • Moretele (3) • JB Marks (1) • Matlosana (2) • Maquassi Hills (1)	13 • Dr Ruth (4) • Moses Kotane (3) • Moretele (3) • JB Marks (1) • Matlosana (1) • Maquassi Hills (1)
Northern Cape	25	• Richtersveld (1) • Nama Khoi (1) • Kamiesberg (1) • Hantam (1) • Kgatelopele (1) • Kareeberg (1) • Ubuntu (1) • Siyathemba (1) • Siyancuma (1) • Sol Plaatje (2) • Gamagara (1) • Ga-Segonyana (1) • Joe Morolong (1) • Umsobomvu (1) • Phokwane (1) • Dikgatlong (1) • Dawid Kruiper (1) • Magareng (1) • Tsantsabane (1) • Kai Ma (1) • Kai Garib (1) • !Kheis (1) • Renosterberg (1) • Emthanjeni (1)	25 • Richtersveld (1) • Nama Khoi (1) • Kamiesberg (1) • Hantam (1) • Kgatelopele (1) • Kareeberg (1) • Ubuntu (1) • Siyathemba (1) • Siyancuma (1) • Sol Plaatje (2) • Gamagara (1) • Ga-Segonyana (1) • Joe Morolong (1) • Umsobomvu (1) • Phokwane (1) • Dikgatlong (1) • Dawid Kruiper (1) • Magareng (1) • Tsantsabane (1) • Kai Ma (1) • Kai Garib (1) • !Kheis (1) • Renosterberg (1) • Emthanjeni (1)	25 • Richtersveld (1) • Nama Khoi (1) • Kamiesberg (1) • Hantam (1) • Kgatelopele (1) • Kareeberg (1) • Ubuntu (1) • Siyathemba (1) • Siyancuma (1) • Sol Plaatje (2) • Gamagara (1) • Ga-Segonyana (1) • Joe Morolong (1) • Umsobomvu (1) • Phokwane (1) • Dikgatlong (1) • Dawid Kruiper (1) • Magareng (1) • Tsantsabane (1) • Kai Ma (1) • Kai Garib (1) • !Kheis (1) • Renosterberg (1) • Emthanjeni (1)	25 • Richtersveld (1) • Nama Khoi (1) • Kamiesberg (1) • Hantam (1) • Kgatelopele (1) • Kareeberg (1) • Ubuntu (1) • Siyathemba (1) • Siyancuma (1) • Sol Plaatje (2) • Gamagara (1) • Ga-Segonyana (1) • Joe Morolong (1) • Umsobomvu (1) • Phokwane (1) • Dikgatlong (1) • Dawid Kruiper (1) • Magareng (1) • Tsantsabane (1) • Kai Ma (1) • Kai Garib (1) • !Kheis (1) • Renosterberg (1) • Emthanjeni (1)	25 • Richtersveld (1) • Nama Khoi (1) • Kamiesberg (1) • Hantam (1) • Kgatelopele (1) • Kareeberg (1) • Ubuntu (1) • Siyathemba (1) • Siyancuma (1) • Sol Plaatje (2) • Gamagara (1) • Ga-Segonyana (1) • Joe Morolong (1) • Umsobomvu (1) • Phokwane (1) • Dikgatlong (1) • Dawid Kruiper (1) • Magareng (1) • Tsantsabane (1) • Kai Ma (1) • Kai Garib (1) • !Kheis (1) • Renosterberg (1) • Emthanjeni (1)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Western Cape	18	• George (1) • Kynsna(1) • Cederberg (1) • Theewaterskloof (1) • Langeberg (1) • Laingsburg (1) • Kannaland (1) • Overstrand (1) • Drakenstein (1) • Berg River (1) • Matzikama (1) • Cape Agulhas (1) • Swellendam (1) • Witzenberg (1) • Beaufort West (1) • Breede valley (1) • Bitou (1) • Oudtshoorn (1)	13 • George (1) • Kynsna(1) • Cederberg (1) • Theewaterskloof (1) • Langeberg (1) • Laingsburg (1) • Kannaland (1) • Overstrand (1) • Drakenstein (1) • Berg River (1) • Matzikama (1) • Cape Agulhas (1) • Swellendam (1)	13 • George (1) • Kynsna (1) • Cederberg (1) • Theewaterskloof (1) • Langeberg (1) • Laingsburg (1) • Kannaland (1) • Overstrand (1) • Drakenstein (1) • Berg River (1) • Matzikama (1) • Cape Agulhas (1) • Swellendam (1)	12 Witzenberg (1) • Beaufort West (1) • Breede valley (1) • Bitou (1) • George (1) • Cederberg (1) • Laingsburg (1) • Overstrand (1) • Berg River (1) • Oudtshoorn (1) • Cape Agulhas (1) • Swellendam (1)	12 • Witzenberg (1) • Beaufort West (1) • Breede valley (1) • Bitou (1) • George (1) • Cederberg (1) • Laingsburg (1) • Overstrand (1) • Berg River (1) • Oudtshoorn (1) • Cape Agulhas (1) • Swellendam (1)
Sub-Total	**254**		**172**	**156**	**179**	**181**
Schedule 6B						
Eastern Cape	0	-	-	-	-	-
Free State	0	-				
Gauteng	0					
KwaZulu Natal	0	-	-	-	-	-
Limpopo	29	• Sekhukune (7) • Thabazimbi LM (8) • Lephalale LM (4) • Modimolle- Mokgopong (10)	27 • Sekhukune (7) • Thabazimbi LM (8) • Lephalale LM (2) • Modimolle- Mokgopong (10)	25 • Sekhukune (7) • Thabazimbi LM (4) • Lephalale LM (4) • Modimolle- Mokgopong (10)	23 • Sekhukune (7) • Thabazimbi LM (4) • Lephalale LM (2) • Modimolle- Mokgopong (10)	23 • Sekhukune (7) • Thabazimbi LM (4) • Lephalale LM (2) • Modimolle- Mokgopong (10)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Mpumalanga	2	• Lekwa: Rooikoppen Sewer Network (1) • Victor Khanye: Delmas WWTW (1)	2 • Lekwa: Rooikoppen Sewer Network (1) • Victor Khanye : Delmas WWTW (1)	2 • Lekwa: Rooikoppen Sewer Network (1) • Victor Khanye: Delmas WWTW (1)	2 • Lekwa: Rooikoppen Sewer Network (1) • Victor Khanye: Delmas WWTW (1)	2 • Lekwa: Rooikoppen Sewer Network (1) • Victor Khanye : Delmas WWTW (1)
North West	9	• Kgetleng (3) • Madibeng (4) • Ngaka Modiri Molema (2)	6 • Kgetleng (1) • Madibeng (3) • Ngaka Modiri Molema (2)	7 • Kgetleng (2) • Madibeng (3) • Ngaka Modiri Molema (2)	5 • Kgetleng (2) • Madibeng (1) • Ngaka Modiri Molema (2)	5 • Kgetleng (2) • Madibeng (1) • Ngaka Modiri Molema (2)
Northern Cape	0	• -	• -	• -	• -	• -
Western Cape	0	• -	• -	• -	• -	• -
Sub-Total	**40**		**35**	**34**	**30**	**30**
TOTAL (Schedule 5B + 6B)	294		207	190	209	211

PPI No 3.10.2: Number of small WSIG projects completed

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Schedule 5B						
Eastern Cape	9	• OR Tambo (1) • Alfred Nzo (1) • Amathole (1) • Chris Hani (1) • Joe Gqabi (1) • Blue Crane Route (1) • Makana (1) • Sundays River Valley (1) • Dr Beyers Naude (1)	9 • OR Tambo (1) • Alfred Nzo (1) • Amathole (1) • Chris Hani (1) • Joe Gqabi (1) • Blue Crane Route (1) • Makana (1) • Sundays River Valley (1) • Dr Beyers Naude (1)	-	-	-
Free State	8	• Masilonyana (1) • Nala (1) • Letsemeng (1) • Dihlabeng (1) • Mantsopa (1) • Phumelela (1) • Setsoto (1) • Mafube (1)	-	2 • Nala (1) • Mafube (1)	-	6 • Masilonyana (1) • Letsemeng (1) • Dihlabeng (1) • Mantsopa (1) • Phumelela (1) • Setsoto (1)
Gauteng	2	• Lesedi LM (2)	2 • Lesedi LM (2)	-	-	-
KwaZulu-Natal	6	• Harry Gwala (1) • King Cetshwayo (1) • Ugu (1) • uMhlathuze (1) • uMzinyathi (2)	-	-	-	6 • Harry Gwala (1) • King Cetshwayo (1) • Ugu (1) • uMhlathuze (1) • uMzinyathi (2)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Limpopo	32	• Capricorn (9) • Polokwane (3) • Vhembe DM (2) • Mopani DM (11) • Bela bela (2) • Mogalakwena (5)	11 • Capricorn (7) • Vhembe DM (2) • Mopani DM (2)	21 • Capricorn (2) • Polokwane (3) • Mogalakwena (5) • Mopani DM (9) • Bela bela (2)	-	-
Mpumalanga	17	• Chief Albert Luthuli (2) • Mkondo (1) • Msukaligwa (1) • Dr Pixley ka Iseme (0) • Bushbuckridge (2) • Nkomazi (3) • ThabaChweu (1) • City of Mbombela (2) • Emakhazeni (2) • Steve Tshwete (1) • Thembisile (2)	8 • Chief Albert Luthuli (1) • Mkondo (0) • Msukaligwa (0) • Dr Pixley ka Iseme (0) • Bushbuckridge (0) • Nkomazi (2) • ThabaChweu (0) • City of Mbombela (2) • Emakhazeni (1) • Steve Tshwete (1) • Thembisile (1)	5 • Chief Albert Luthuli (0) • Mkondo (1) • Msukaligwa (1) • Dr Pixley ka Iseme (0) • Bushbuckridge (2) • Nkomazi (0) • ThabaChweu (1) • City of Mbombela (0) • Emakhazeni (0) • Steve Tshwete (0) • Thembisile (0)	4 • Chief Albert Luthuli (1) • Mkondo (0) • Msukaligwa (0) • Dr Pixley ka Iseme (0) • Bushbuckridge (0) • Nkomazi (1) • ThabaChweu (0) • City of Mbombela (0) • Emakhazeni (1) • Steve Tshwete (0) • Thembisile (1)	-
Northern Cape	5	• Kamiesberg (1) • Kgatelopele (1) • Gamagara (1) • Ga-Segonyana (1) • Dawid Kruiper (1)	-	-	-	5 • Kamiesberg (1) • Kgatelopele (1) • Gamagara (1) • Ga-Segonyana (1) • Dawid Kruiper (1)
North West	13	• Dr Ruth (4) • Moses Kotane (3) • Moretele (3) • JB Marks (1) • Matlosana (1) • Maquassi Hills (1)	-	13 • Dr Ruth (4) • Moses Kotane (3) • Moretele (3) • JB Marks (1) • Matlosana (1) • Maquassi Hills (1)	-	• -

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Western Cape	6	• Kynsna (1) • Theewaterskloof (1) • Langeberg (1) • Kannaland (1) • Drakenstein (1) • Matzikama (1)	-	6 • Kynsna (1) • Theewaterskloof (1) • Langeberg (1) • Kannaland (1) • Drakenstein (1) • Matzikama (1)	• -	• -
Sub-Total (5B)	**98**		**30**	**47**	**4**	**17**
Schedule 6B						
Eastern Cape	0	-	-	-	-	-
Free State	0	-	-	-	-	-
Gauteng	0	-	-	-	-	-
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	13	• Thabazimbi LM (4) • Lephalale LM (2) • Modimolle- Mokgopong (7)	4 • Thabazimbi LM (4)	2 • Lephalale LM (2)	0	7 • Modimolle- Mokgopong (7)
Mpumalanga	0	-	-	-	-	-
Northern Cape	0	-	-	-	-	-
North West	4	• Kgetleng (1) • Madibeng (3)	• 1 • Kgetleng (1)	3 • Madibeng (3)	-	-
Western Cape	0	-	-	-	-	-
Sub-Total (6B)	**17**		**5**	**5**	**-**	**7**
Total	**115**		**35**	**52**	**4**	**24**

PPI No 3.10.4: Number of existing bucket sanitation backlog systems in formal settlements replaced

Province	Municipality	Target
Free State	Ficksburg	218
	Senekal	2 435
	Clocolan	3 379
	Arlington	1 192
	Petrus Steyn	960
	Reitz	739
	Dealesville	1 279
Sub-Total		**10 202**
Northern Cape	Campbell	596
Sub-Total		**596**
Total		10 798

PPI No 4.1.1: Number of district municipalities (DMs) with developed 5 year water and sanitation reliability plans

Province	Total Number	District Municipality	Deliverables per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Eastern Cape	1	Joe Gqabi	-	-	-	Joe Gqabi
	1	Alfred Nzo	-	-	-	Alfred Nzo
Kwa-Zulu Natal	1	King Cetshwayo	-	-	-	King Cetshwayo
	1	uThukela	-	-	-	uThukela
	1	Zululand	-	-	-	Zululand
	1	iLembe	-	-	-	iLembe
Limpopo	1	Capricorn	-	-	-	Capricorn
	1	Mopani	-	-	-	Mopani
North West	1	Ngaka Modiri Molema	-	-	-	Ngaka Modiri Molema
	1	Dr Ruth Segomotsi Mompati	-	-	-	Dr Ruth Segomotsi Mompati
Total	10		-	-	-	10

PPI No 4.2.2: Annual Municipal Priority Action Plan (MPAP) developed

Province	Total Number	Municipalities		
		District Municipalities	Local Municipalities	Metropolitans
Eastern Cape	14	• Alfred Nzo • Amathole • Chris Hani • Joe Gcabi • OR Tambo	• Blue Crane Route • Dr Beyers Naudé • Kouga • Koukamma • Makana • Ndlambe • Sundays River Valley	• Nelson Mandela Bay Metropolitan Municipality- • Buffalo City Metropolitan Municipality
Free State	8	-	• Letsemeng • Mantsopa • Masilonyana • Nala • Ngwathe • Phumelela • Setsoto • Tokologo	-
Gauteng	4	-	• Mogale City • Rand West City	• City of Tshwane Metropolitan Municipality • Ekurhuleni Metropolitan Municipality
KwaZulu Natal	13	• Amajuba • Harry Gwala • iLembe • King Cetshwayo • Ugu • Umkhanyakude • Umzinyathi • Uthukela • Zululand	• City of uMhlathuze • Msunduzi • Newcastle	• Ethekwini Metropolitan Municipality
Limpopo	5	• Capricorn • Vhembe	• Lephalale • Polokwane • Thabazimbi	-
Mpumalanga	2	-	• Bushbuckridge • Mkhondo	-

Province	Total Number	Municipalities		
		District Municipalities	Local Municipalities	Metropolitans
Northern Cape	26	• -	• !Kheis • Dawid Kruiper • Dikgatlong • Emthanjeni • Gamagara • Ga-Segonyana • Hantam • Joe Morolong • Kai !Garib • Kamiesberg • Kareeberg • Karoo Hoogland • Kgatelopele • Khai-Ma • Magareng • Nama Khoi • Phokwane • Renosterberg • Richtersveld • Siyancuma • Siyathemba • Sol Plaatje • Thembelihle • Tsantsabane • Ubuntu • Umsobomvu	• -
North West	10	• Dr Ruth Segomotsi Mompati • Ngaka Modiri Molema	• City of Matlosana • JB Marks • Kgetlengrivier • Madibeng • Maquassi Hills • Moretele • Moses Kotane • Rustenburg	-
Western cape	16	-	• Bitou • Breede Valley • Cape Agulhas • Cederberg • Drakenstein • George • Kannaland • Knysna • Laingsburg • Langeberg • Mossel Bay • Oudtshoorn • Prince Albert • Stellenbosch • Swellendam • Theewaterskloof	-
Total	98 WSAs	18 DMs	75 LMs	5 Metros

PART E:
DISTRICT DEVELOPMENT MODEL

OR Tambo DM

PPI No.	Output Indicators	Project Name	Project description	Location	Status
3.4.1	Number of bulk raw water projects in the preparation for implementation	Lusikisiki regional water supply scheme: Zalu Dam on the Xura River	Bulk raw water (i.e. dam and associated infrastructure)	O R Tambo DM, Eastern Cape	Design
3.7.1.1	Number of mega regional bulk infrastructure project phases under construction	OR Tambo Mthatha King Sabata Dalindyebo district municipality bulk water supply	Bulk water supply	OR Tambo DM, Eastern Cape	Construction
3.7.2.2	Number of large regional bulk infrastructure project phases completed	Ingquza Hill bulk water supply	Bulk water supply	O R Tambo DM, Eastern Cape	Completed
3.7.1.1	Number of mega regional bulk infrastructure project phases under construction	Mbizana regional bulk water supply	Bulk water supply	O R Tambo DM, Eastern Cape	Completed
3.9.1	Number of feasibility studies for water and wastewater services projects (RBIG) completed [Not funded]	Coffee bay water treatment works	Bulk water supply	O R Tambo DM, Eastern Cape	Feasibility
5.1.8	Number of wastewater systems assessed for compliance with the Green Drop Regulatory requirements	Bizana	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Flagstaff	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Lusikisiki	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Mqanduli	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Mthatha	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Ngqeleni	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Ntabankulu	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Port St Johns	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Qumbu	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment
		Tsolo	Wastewater system compliance assessment	O R Tambo DM, Eastern Cape	For green drop assessment

Alfred Nzo DM

PPI No.	Output Indicators	Project Name	Project description	Location	Status
3.7.1.3	Number of small regional bulk infrastructure project phases under construction	Matatiela Bulk Water Supply	Bulk water supply	Alfred Nzo DM, Eastern Cape	Construction
3.7.1.1	Number of mega regional bulk infrastructure project phases under construction	Greater Bizana Water Supply	Bulk water supply	Alfred Nzo DM, Eastern Cape	Construction
3.9.1	Number of feasibility studies for water and wastewater services projects (RBIG)	Ntabankulu bulk water supply	Bulk water supply	Alfred Nzo DM, Eastern Cape	Construction
3.7.2.2	Number of large regional bulk infrastructure project phases completed	Mount Ayliff bulk peri-urban water supply	Bulk water supply	Alfred Nzo DM, Eastern Cape	Construction
3.4.2	Number of bulk raw water projects under construction	Mzimvubu Water Supply	Bulk raw water (i.e. dam and associated infrastructure)	Alfred Nzo DM, Eastern Cape	Construction
5.1.8	Number of wastewater systems assessed for compliance with the Green Drop Regulatory requirements	Bizana	Wastewater system compliance assessment	Alfred Nzo DM, Eastern Cape	For green drop assessment
		Cedarville	Wastewater system compliance assessment	Alfred Nzo DM, Eastern Cape	For green drop assessment
		Matatiele	Wastewater system compliance assessment	Alfred Nzo DM, Eastern Cape	For green drop assessment
		Mount Ayliff	Wastewater system compliance assessment	Alfred Nzo DM, Eastern Cape	For green drop assessment
		Mount Frere	Wastewater system compliance assessment	Alfred Nzo DM, Eastern Cape	For green drop assessment
		Ntabankulu	Wastewater system compliance assessment	Alfred Nzo DM, Eastern Cape	For green drop assessment

Waterberg

PPI No.	Output Indicators	Project Name	Project description	Location	Status
3.9.1	Number of feasibility studies for water and wastewater services projects (RBIG) completed [Not funded]	Mokolo and Crocodile water Augmentation Project (MCWAP) Phases 2A	Bulk raw water (i.e. dam and associated infrastructure)	Waterberg DM, Limpopo	EIA
3.9.1	Number of feasibility studies for water and wastewater services projects (RBIG) completed [Not funded]	Magalies water supply to Waterberg (Klipvoor)	Bulk water supply	Waterberg DM, Limpopo	Feasibility
3.7.1.1	Number of mega regional bulk infrastructure project phases under construction	Mogalakwena bulk water supply phase 2	Bulk water supply	Waterberg DM, Limpopo	Construction
3.9.1	Number of feasibility studies for water and wastewater services projects (RBIG) completed [Not funded]	Lephalale/ Eskom: Bulk water augmentation	Bulk water supply	Waterberg DM, Limpopo	Feasibility
5.1.8	Number of wastewater systems assessed for compliance with the Green Drop Regulatory requirements	Pienaarsrivier waste water supply system	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Radium waste water supply system	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Witpoort	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Zongesien	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Modimolle	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Vaalwater	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Mokopane old & New	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Rebone	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Naboomspruit	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Seshego	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Northam	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment
		Rooiberg	Wastewater system compliance assessment	Waterberg DM, Limpopo	For green drop assessment

Ethekwini

PPI No.	Output Indicators	Project Name	Project description	Location	Status
3.7.1.2	Number of large regional bulk infrastructure project phases under construction	Mdloti River development project: Raising of Hazelmere Dam	Bulk raw water (i.e. dam and associated infrastructure)	iLembe DM, KwaZulu-Natal	Construction
5.1.8	Number of wastewater systems assessed for compliance with the Green Drop Regulatory requirements	Amanzimtoti	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Cato Ridge	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Central	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Craigieburn	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Dassenhoek	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Fredville	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Fredville	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Genazzano	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Glenwood Road	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Hammarsdale	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Hillcrest	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Isipingo	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Kingsburgh	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		KwaMashu	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		KwaNdengezi	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Magabeni	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment

PPI No.	Output Indicators	Project Name	Project description	Location	Status
		Mpumalanga	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		New Germany	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Northern Works	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Phoenix	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Southern	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Tongaat Central	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Umbilo	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Umdloti	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Umhlanga	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Umhlatuzana	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Umkomaas	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment
		Verulam	Wastewater system compliance assessment	eThekwini Metropolitan Municipality	For green drop assessment

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