water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

ADJUSTMENTS ANNUAL PERFORMANCE PLAN
(VOTE 41)

FOR THE FISCAL YEARS
2020/21 TO 2022/23

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Foreword by the Minister

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 populace. 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 populace 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 excerise will require us to go through a difficult period until the economy recovers,.

We need to also adhere to:

- Scaling-up private-sector investment for water infrastructure.
- Growing the Ocean Economy;
- Identifying Cross-cutting Areas to Reform, Boost and Diversify the Economy through:
- Science, technology and innovation
- Reliable Water and Sanitation provision

The maintenace and building of water infrastructure remains crucial to expanding access to South Africans wherever they live and work. In the same vein it is imperative to improve delivery of decent sanitation and while doing so explore the use of innovative technologies.

This Annual Performance Plan sets out the Department's transformative programme that is certain to yield positive outcomes.

Sisulu L (MP)
MINISTER OF HUMAN SETTLEMENTS, WATER AND SANITATION

Message from the Deputy Minister

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 assist 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.

Mr MD Mahlobo

DEPUTY MINISTER OF HUMAN SETTLEMENTS, WATER AND SANITATION

Overview of the Accounting Officer

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.

South Africa needs a massive national infrastructure build that will eradicate all informal settlements, replacing them with decent human settlements. To achieve this; a funding model needs to be developed, wherein the focus will be on determining a variety of financing mechanisms adopted in South Africa and internationally to fund infrastructure. The project will look at the principles of infrastructure funding and financing and help to identify the lessons learnt that could shape future investment decisions in the South African water sector. This will enable the Department to deliver on its aspiration for a ten-year massive construction programme.

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 morethan 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.

Mr T I Balzer
ACTING 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 L N Sisulu (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 2020/21 – 2022/23.

Mr S Mahlangu DDG: Administration	
Ms F L. N W Lusenga DDG: International Water Support	
Ms D Mochotlhi DDG: Water Planning and Information Management	
Mr L Manus DDG (Acting): Water Infrastructure Development	
Mr A B Singh DDG: Water Sector Regulation	
Ms O N V Fundakubi Chief Operation Officer	
Mr F Moatshe Acting Chief Financial Officer: Main Account and Water Trading	
Mr T I Balzer (Acting) Director-General	
M D Mahlobo (MP) Deputy Minister of Human Settlements, Water and Sanitation	
L N Sisulu (MP) Minister of Human Settlements, Water and Sanitation	

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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
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
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
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
IWA	International Water Association
JSE	Johannesburg Stock Exchange
KSD	King Sabata Dalindyebo

Abbreviation/ Acronym	Description
KZN	KwaZulu-Natal
l/c/d	Litre per capita per day
LM	Local Municipality
LP	Limpopo
m^2	Metre squared
m^3	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
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
NGIS	National Groundwater Information System
NIWIS	National Integrated Water Information System
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
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
PMU	Project Management Unit
PSC	Project Steering Committee
QSE	Qualifying Small Enterprise
RBIG	Regional Bulk Infrastructure Grant
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
SIP	Strategic Infrastructure Project
SIV	System Input Volume
SMART	Specific Measurable Achievable Realistic Time-bound
SMS	Senior Management Service
StatsSA	Statistics South Africa
SWPN	Strategic Water Partners Network
TCTA	Trans Caledon Tunnel Authority
TRA	Temporary Relocation Areas
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: Strategic overview

Strategy map of the DWS

Vision

Equitable and sustainable water and sanitation that supports socio-economic growth and development for the well-being of current and future generations

Mission

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

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

Values

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

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

Outcomes

1. Efficient, effective and development orientated department	2. Ecological infrastructure protected and restored	3. Water demand reduced and water supply increased	4. Water and sanitation services managed effectively	5. Enhanced regulation of the water and sanitation sector	6. Water redistributed for transformation

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 waste water 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 decision 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

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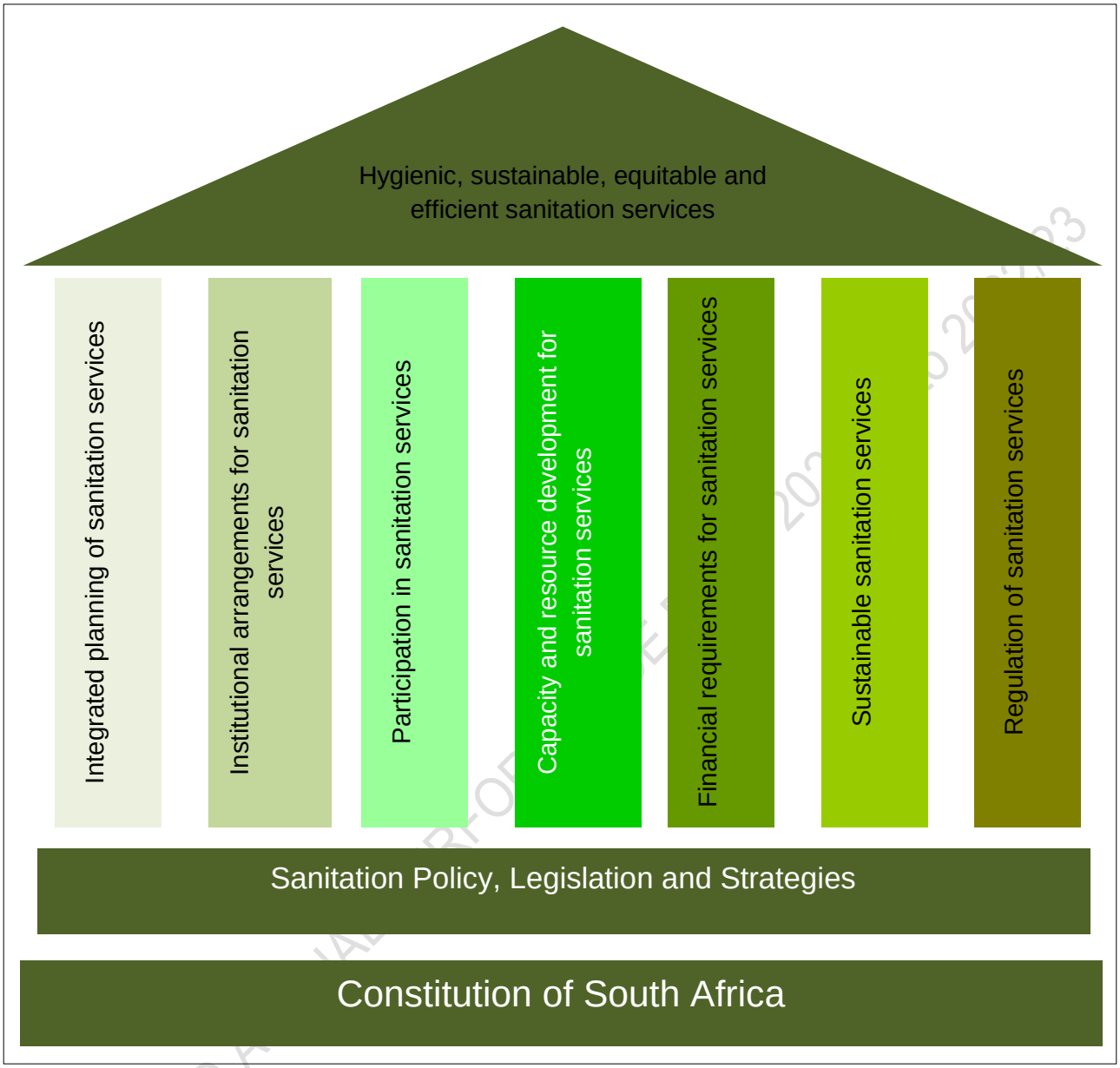

1.2.3. Other water and sanitation policies and strategies include the following:

(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.

2.4. National Water and Sanitation Bill: this is a consolidation of the National Water Act, 1998 (NWA) and the Water Services Act, 1997 (WSA) to a single legislation. It will clarify the

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

legislative framework regarding water management across the water and sanitation value chain. It will further obviate the need for cross reading between the NWA and the WSA.

2.5. National Water Resource Strategy third edition (NWRS-3): the NWA requires the review of the NWRS at intervals of not more than five (5) years.

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

4. Updated situational analysis

A number external and internal environment matters affect the department's ability to deliver on its mandate. Some of these present various challenges and opportunities impacting on its operations influencing planning decisions and the required trade-offs. This results in the prioritisation of certain interventions and programmes over others taking into consideration the required resourcing and associated risks.

4.1. 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[2]. 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

South Africa has an arid to semi-arid climate, with a mean annual rainfall of 500 mm as compared to the world average of 860mm. This rainfall produces a total annual runoff of approximately 49 000 million m^3/a. The figure below indicates that 65% of South Africa has a mean annual rainfall of less than 500mm and 21% of the country with a mean annual rainfall of less than 200mm. The country therefore experiences severe and prolonged hydrological droughts, which may last as long as 10 years at a time.

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

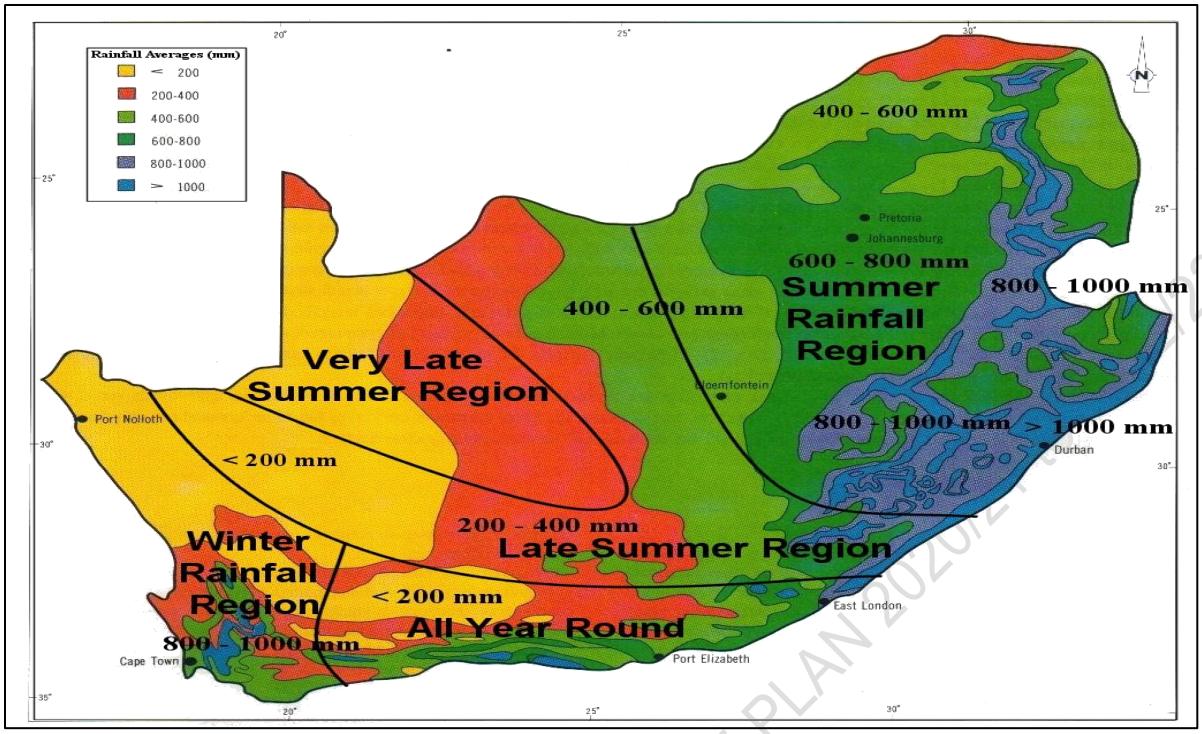

Figure 1: Climate and runoff regions
(Source: Adapted from Botai CM, Botai JO, Adeola AM. Spatial distribution of temporal precipitation contrasts in South Africa. S Afr J Sci. 2018; 114 (7/8), Art. #2017-0391, 9 pages. http://dx.doi.org/10.17159/sajs.2018/20170391)

The country's water security is mainly reliant on fresh surface water, with ground water and return flows underutilised. There are currently 5 551 registered dams with a total gross storage capacity of 33 291[3] million m³. Of these registered dams, 4 294 are small (i.e. less than 12m) 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 2019 national demand for water requirements is 10 233 million m³/a; with the current reliable national yield of surface water at an acceptable assurance of supply at approximately 10 137 million m³/a. This means there is a nation deficit of 96 million m³/a; in other words the demand is exceeding supply. Although there is a national deficit, there are certain areas with surpluses; water is transferred through the transfer schemes to service the demand areas. Due to the skewed nature of the strategic water source areas, large transfer schemes have been developed to service various demand centres. Water is therefore managed through catchment areas rather than political boundaries.

Agriculture is the largest water use at 61%, followed by municipal use at 27% (including industrial and commercial users provided from municipal systems), with power generation, mining and bulk industrial use, livestock and conservation and afforestation jointly making up the remaining 12%. The assurance level at which agricultural water is supplied is lower than for other sectors at 90%. Water for power generation is seen as strategically important and is

[3] 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).

provided with the highest assurance of supply at 99.5%; which translates to 1: 200 year risk of failure.

Agricultural consumption is largely unmetered, and there are concerns about unauthorised abstraction and water wastage in the sector. In addition, agricultural users pay a much lower tariff than other users of untreated water and the relatively cheap water has not incentivised the adoption of water efficient irrigation practices. However, the agricultural sector is important in terms of jobs and contribution to the GDP. The value of primary agricultural production in South Africa was R263, 2 billion in 2016.

The domestic sector has high water use partly due to municipal non-revenue water which is currently at 41%. Non-revenue water includes all water supplied that is not paid for, including physical water losses through leaks in the distribution system, illegal connections, unbilled consumption and billed, but unpaid for water use. While figures vary greatly between municipalities and services providers, average physical losses in municipal systems are estimated to be around 35%, against a global best practice in the order of 15%.

The Industrial Policy Action Plan (IPAP) sets out the intentions of South Africa in terms of expanding the manufacturing sector, which will increase water demand in this sector, and which has the potential to increase water pollution if not appropriately regulated.

To balance requirements and supply, South Africa will need to reduce water demand, as well as increase supply for a growing population and economy in order 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[4] and supply approximately 70% of irrigation water.

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

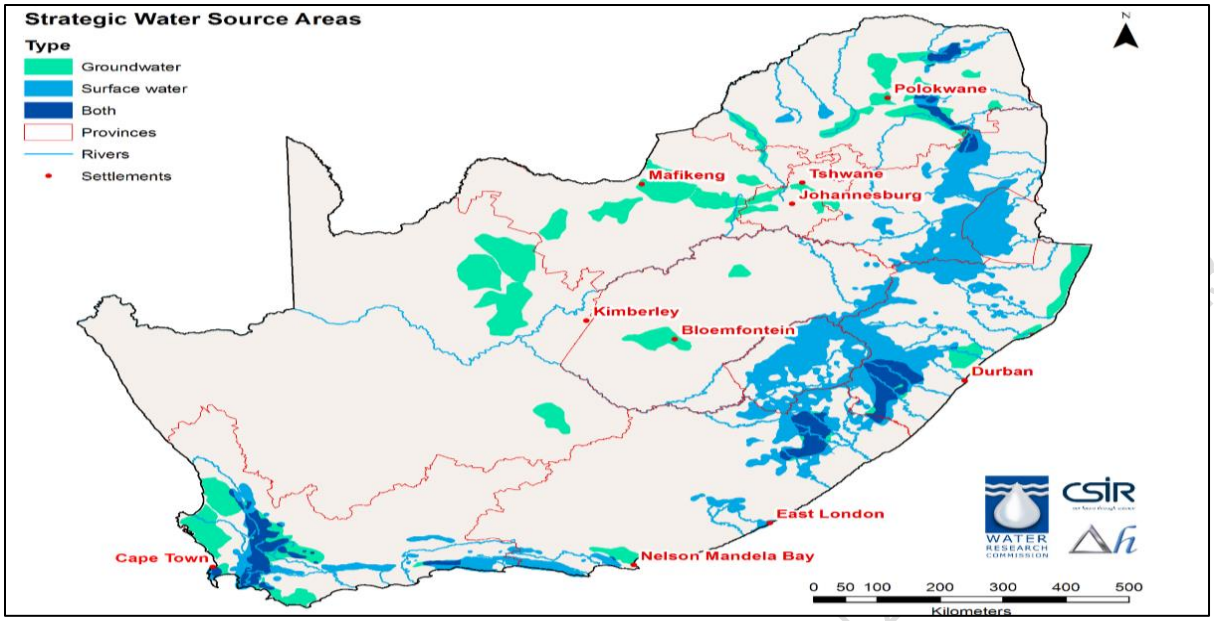

Figure 2: Spatial distribution of strategic water source areas
(Source: National Water and Sanitation Master Plan Volume 1, 2018: 36)

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. In addition, the reliability of services to the country's households has declined to an estimated at 57% as a result of *inter alia* aging infrastructure and poor operations and maintenance.

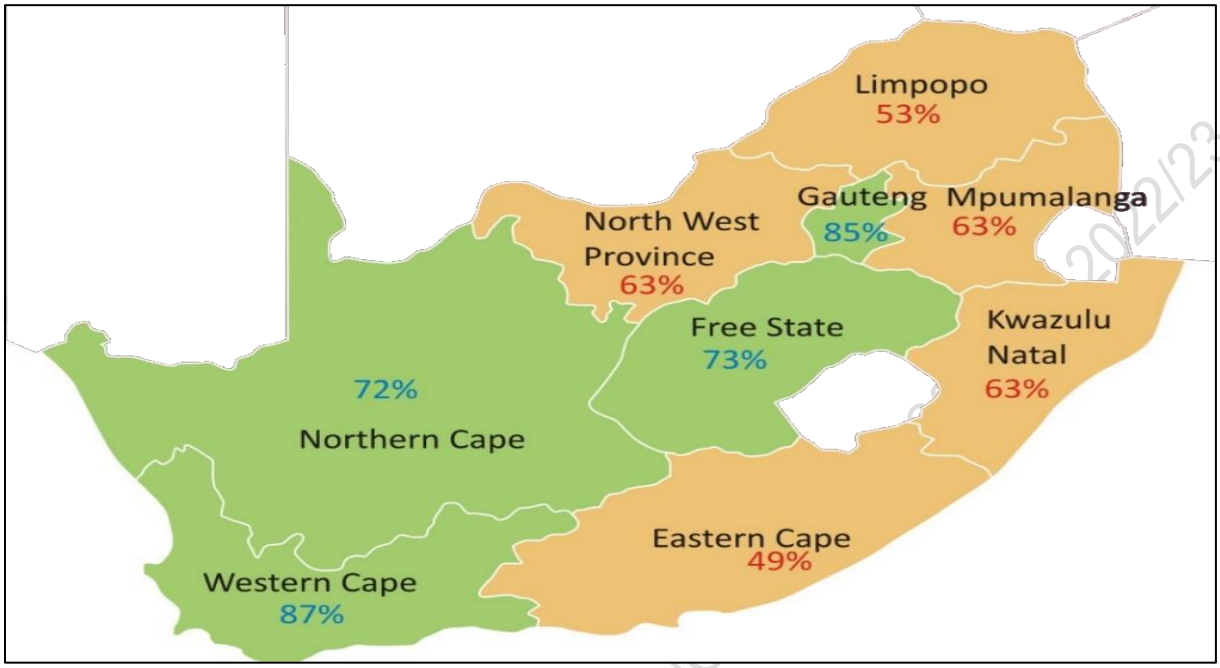

Figure 3: Reliability of water supply and sanitation services per province (Source: National Water and Sanitation Master Plan Volume 1, 2018: 21)

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. In 2017, there were 2.8 million households in South Africa that utilised unimproved sanitation including 280,791 households which practised open defecation (STATS SA, 2018).

The constitutional water supply and sanitation services responsibility lies with 144 municipalities that are water services authorities (WSA). At least 33% of these municipalities are regarded as dysfunctional and more than 50% have no or very limited technical staff. The 27 priority district municipalities have been identified as being particularly dysfunctional and requiring specific intervention.

In addition, many of the smaller and/or rural municipalities are faced with financial challenges. The socio-economic profile of South Africa is highly variable with 63% of households earning less than R38 000 per year (and therefore classified as indigent). Municipalities with high levels of indigent households are dependent on national grants to provide reliable and affordable water and sanitation services. In rural and/or smaller municipalities, the proportion of indigent households averages 77%. 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[5] 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.

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

[5] Source: Mid-year population estimates, Statistics South Africa (2019: 5)

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.

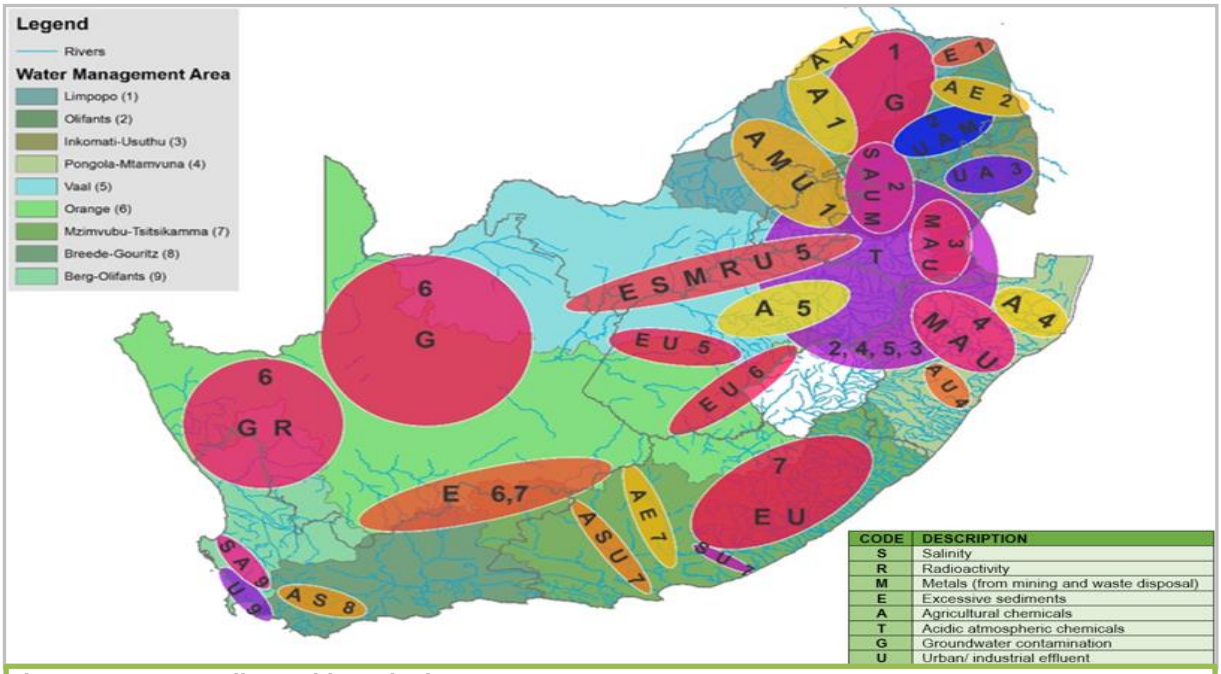

Figure 4: Water quality problems in the country
(Source: National Water and Sanitation Master Plan Volume 1, 2018: 30)

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.

4.2. 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

The Department is the executive arm of national government with various roles including policy developer a regulator, an implementer and an operator of water resource infrastructure. Some of these roles have a potential conflict of interest, while, water resources regulation, which is

local in nature, could be performed better by a more decentralised arrangement such as a catchment management agency.

A skills gap analysis conducted by the WRC in 2015, looking at numbers of staff and their skills relative to required skills, showed significant skills gaps in water sector institutions, including DWS, CMAs, water boards and municipalities.

On the positive side, the number of Civil Engineering graduates doubled between 2010 and 2015 from approximately 1 000 to 2 000 graduates per year. It is not clear how many of these graduates seek work in the water and sanitation sector. Other graduate numbers with qualifications that apply to the water and sanitation sector also increased dramatically in this period, leading to no shortage of science graduated applying to work in the sector. However, the challenge of appointing qualified and experienced staff will remain, particularly in rural municipalities.

The right mix of skills and expertise in the water and sanitation sector. This includes the capacity expressed as number of persons and skills expressed by qualification and experience required to fulfil the requirements in water resources and water and sanitation services planning, management and operations. A critical need is to use the expertise of experienced water managers to mentor and develop younger and less experienced managers in the water and sanitation sector including, but not limited to, the municipal sector.

Managing data and information

Effective information management, monitoring and evaluation is crucial for the successful management and regulation of water resources or water services as it creates the platform to initiate interventions / actions, understand trends, adapt management plans appropriately or plan effectively for the future. This is particularly critical in an environment facing significant change. The lack of data and information resulting from weak monitoring systems, information systems that are outdated or not maintained, pose a high risk. Therefore, improved and modernised information systems must be developed.

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 R 16 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”.

National priorities

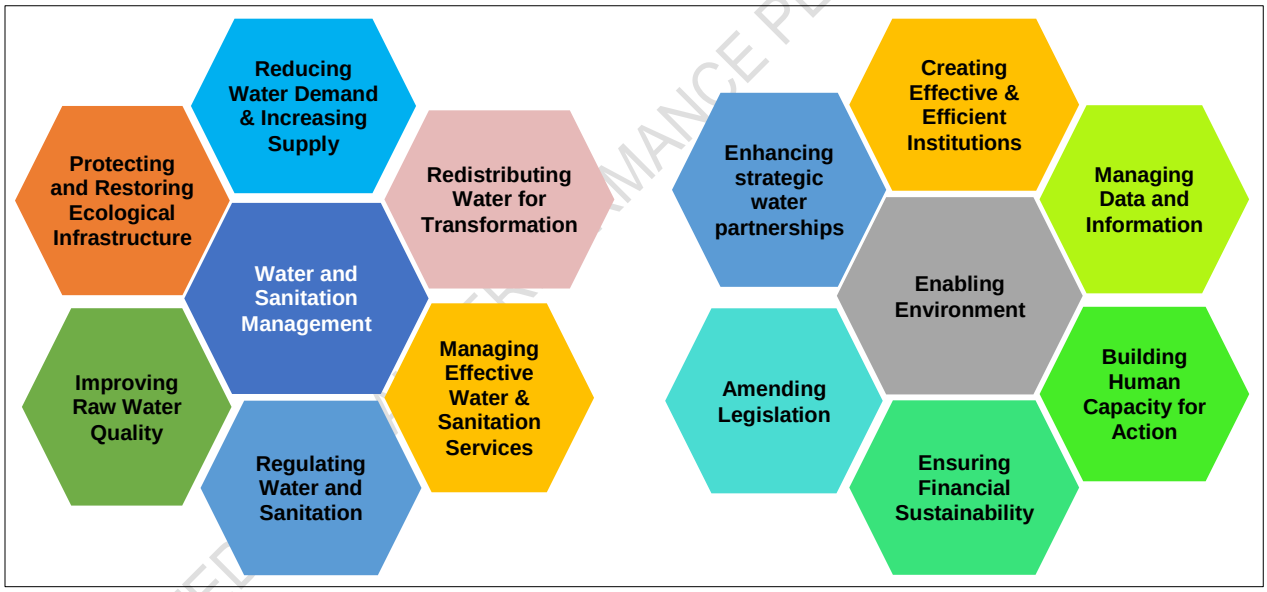

Figure 5: Water and sanitation sector priorities
(Source: National Water and Sanitation Master Plan Volume 1, 2018: 6)

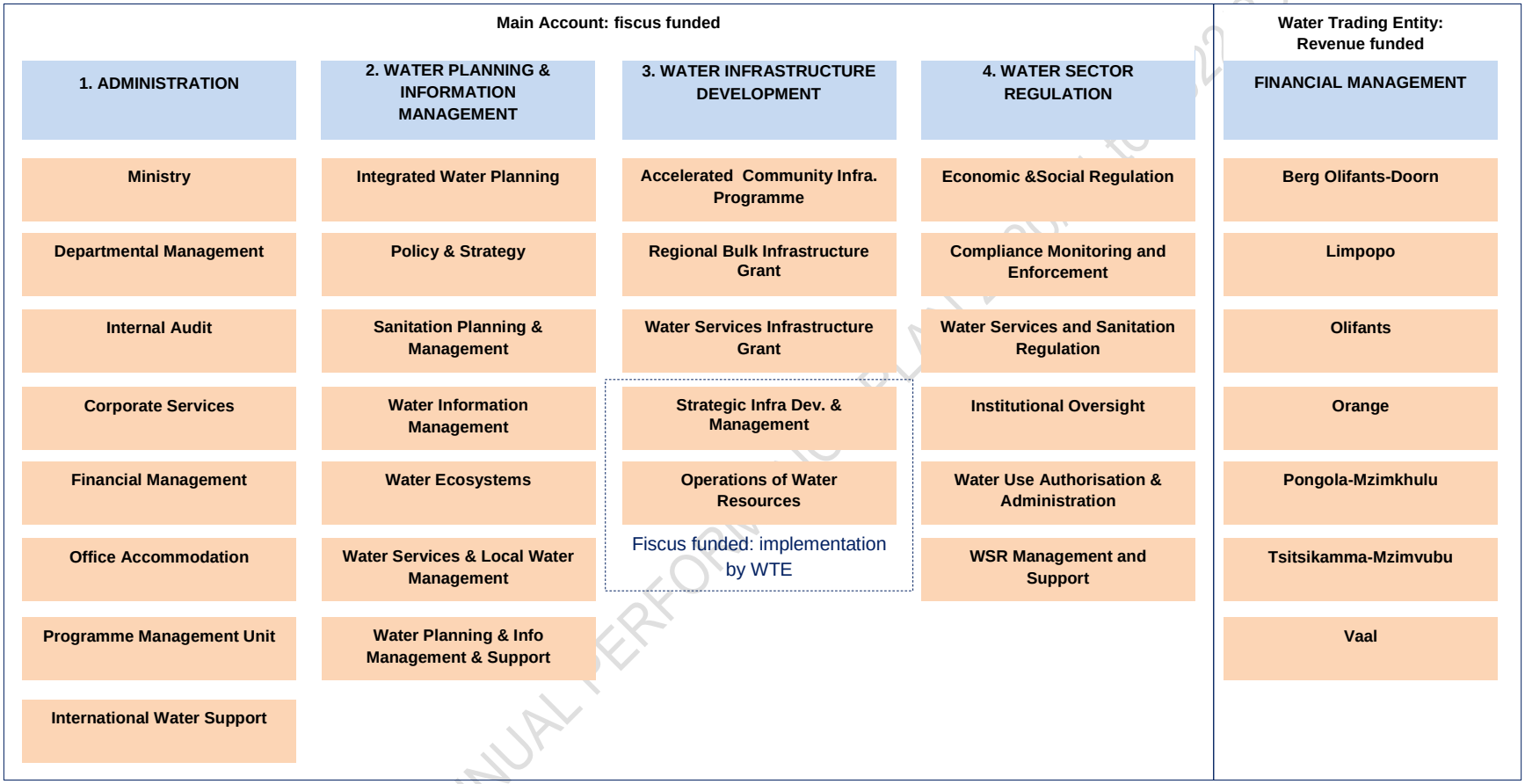

Figure 6: Budget structure of the department

Overview of the 2020 budget and medium term estimates

Expenditure estimates

Programme	Audited outcome			Adjusted appropriation	Medium term expenditure estimates			
Rand thousand	**2015/16**	**2016/17**	**2017/18**	**2018/19**	**2019/20**	**2020/21**	**2021/22**	**2022/23**
Administration	1 448 058	1 580 903	1 649 851	1 714 639	1 836 172	1 976 548	2 114 872	2 192 774
Water Planning and Information Management	700 965	811 208	802 448	862 122	907 896	1 026 439	1 088 137	1 129 868
Water Infrastructure Development	13 147 003	12 813 242	12 760 363	12 496 165	13 286 961	13 795 765	13 642 952	14 159 960
Water Sector Regulation	260 948	319 244	394 787	498 592	436 270	417 475	424 442	442 282
Total	**15,556,974**	**15,524,597**	**15,607,449**	**15,571,518**	**16 467 299**	17 216 227	17 270 403	17 924 884

Expenditure trends

The financial health of the water and sanitation sector is challenged by a number of factors including the protracted drought experienced across all provinces from around 2015/16 which necessitated among other activities, the carting of water, the establishment of emergency storage facilities, drilling and equipping of boreholes, emergency transfer schemes and the increased pumping costs to get water into the Integrated Vaal River System. Further to this, failing municipal services created the need for the Department to intervene in Municipalities especially which were placed under administration with water and sanitation functions; the need to deal with pollution incidents as a result of poorly operated and maintained waste water treatment works particularly within the Val River Catchment area; and decreased income as a result of water restrictions placed on most of our major water supply systems.

Considering all of the above challenges which negatively affect the financial viability and sustainability of the department (including the Entity) and creating an inherent impediment to effective delivery of services to communities, the department has developed a Financial Recovery Plan.

The Department has been allocated budget of R17.216 for 2020/21, R17.270 for 2021/22 and R17.925 for 2022/23 billion over the MTEF period i.e., and is as follows:

Compensation of Employees

The budget for compensation of employees over the medium term is R6.313 billion. The baseline increased by R267.000 million compared to the 2019 MTEF baseline of R6.039 billion. The increase in the baseline is attributable to the critical posts to be filled over the MTEF.

Good and Services

The department received an allocation baseline of R5.173 billion for goods and services over the MTEF; of which R1.651 billion is allocated for office accommodation in programme 1. The major spending items on goods and services over the MTEF are Audit Fees R130.673 million, Communication Services R139.645 million, Computer Services R542.062 million, Business and Advisory Services R433.695 million, Infrastructure Services R693.331 million and Travel and Subsistence R531.806 million.

Transfers and Subsidies

The Department will be implementing transfers to the WTE for augmentation projects such as Acid Mine Drainage and 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 (R558.359 million over the MTEF) and Water Services Infrastructure Grant (R1.665 billion over the MTEF), which are based and dependent on implementation plans, cash flow projections and payment schedule for conditional grants.

Capital Payments

The baseline allocation of R13.233 billion for capital payments over the MTEF includes allocation of RBIG R10.948 billion, WSIG R2.080 billion and an allocation of R750.000 million for the Vaal River System Remediation Intervention Project for the 2020/21 financial year.

These budget allocations will be prioritised towards finalisation of the Waste Charge Discharge System to give effect to the polluter-pays-principle and implementation of the National Water Act provision to prevent and remedy pollution, establishment of the Catchment Management Agencies to improve water resources management and oversight; strengthening of regulatory oversight by establishing the water sector value chain independent regulator and establishment of the National Water Resources Infrastructure Agency. The budget will further be directed towards the development and Implementation of an integrated local government intervention programme to address water and sanitation infrastructure challenges; Implementation of all priority measures of the financial recovery plan of the department and reviewing the implementation model for water infrastructure delivery.

Part C: Measuring Performance

5. Institutional Programme Performance Information

5.1. Programme 1: Administration

This programme provides strategic leadership, management and support services to the Ministry and the department; for the development promotion of international relations on water resources between neighbouring countries; and communications, stakeholder management and partnerships development.

5.1.1 Sub-programmes

There were no changes in the sub-programmes during the period.

5.1.2 Outcomes, outputs, performance indicators and targets

Outcome		Outputs		Output Indicators		Annual Target								
						Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid-term adjustment	2021/22	2022/23
1	Efficient, effective and developme nt orientated department	1.1	Budget spent on qualifying small enterprises	1.1.1	Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)	15%	15%	25%	15%	15% per annum	No Adjustment	No Adjustment	15% per annum	15% per annum
		1.2	Budget spent on exempted micro enterprises	1.2.1	Percentage of targeted procurement budget spent on exempted micro enterprises (EME)	15%	15%	25%	15%	15% per annum	No Adjustment	No Adjustment	15% per annum	15% per annum
		1.3	Financial recovery and turnaround plan implemente d	1.3.1	Percentage implementation of the financial recovery and turnaround plan	New indicator	New indicator	New indicator	New indicator	100%	No Adjustment	No adjustment	100%	100%
				1.3.2	Percentage expenditure on annual budget	100.7%	97%	98%	100%	100%	No Adjustment	No Adjustment	100%	100%
				1.3.3	Number of debtor days	120 days	232 days	191 days	150 days	120 days	No Adjustment	No Adjustment	100 days	80 days

Outcome	Outputs		Output Indicators		Annual Target								
					Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
					2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid-term adjustment	2021/22	2022/23
	1.4	Annual International Relations Programme implemented	1.4.1	Percentage implementation of 2020/21 annual International Relations programme	Approved 5 year Africa and Global international relations programme	Annual analysis on the implementation of the approved Africa and global international relations programme	The terms of reference were signed with a view to leverage technical support for the development of the mid-term evaluation report	Annual analysis on the implementation of the approved international relations programme	80%	No Adjustment	75%	80%	80%
	1.5	Annual Communication, Stakeholder Management and Partnership Programme implemented	1.5.1	Percentage implementation of the 2020/21 Annual Communications, Stakeholder Management and Partnership Programme	Annual assessment of progress against the partnership, communications and stakeholder relations	Annual assessment of progress against the partnership, communications and stakeholder relations	Communications related activities implemented as per operational plan but not assessed quarterly	95%	96%	No Adjustment	No Adjustment	97%	98%
	1.6	Compliance with corporate governance regulatory prescripts	1.6.1	Percentage vacancy rate for engineers and scientists	113% filled over establishment (i.e. 702 filled / 621 posts)	120% filled over establishment (i.e. 746 filled out of 622 posts)	117% (i.e. 738 filled out of 629 permanent posts)	≤10%	≤10%	No Adjustment	No Adjustment	≤10%	≤10%
			1.6.2	Number of coaching and mentorship programme for levels 14, 15 and 16	New indicator	New indicator	New indicator	New indicator	1 coaching and mentorship programme	No Adjustment	No Adjustment	1 coaching and mentorship programme	1 coaching and mentorship programme
			1.6.3	Number of safety and security assessments for facilities and installations	New indicator	New indicator	New indicator	New indicator	64 safety and security assessments	No Adjustment	No Adjustment	64 safety and security assessments	64 safety and security assessments

Outcome	Outputs	Output Indicators		Annual Target								
				Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
				2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid-term adjustment	2021/22	2022/23
			conducted									
		1.6.4	Percentage of information technology systems availability	New indicator	New indicator	New indicator	New indicator	90% information technology (IT) systems available	No Adjustment	No Adjustment	90% information technology (IT) systems available	90% information technology (IT) systems available
		1.6.5	Percentage compliance with approved audit plan	New indicator	New indicator	New indicator	New indicator	100%	No Adjustment	No Adjustment	100%	100%
		1.6.6	Percentage compliance with the implementation of risk management plan	New indicator	New indicator	New indicator	New indicator	100%	No Adjustment	No Adjustment	100%	100%

5.1.3 Indicators, annual and quarterly targets

Financial Management sub-programme

Output Indicators		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
Main Account milestones						
1.1.1(a)	Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)	15%	15%	15%	15%	15%
1.2.1 (a)	Percentage of targeted procurement budget spent on exempted micro enterprises (EME)	15%	15%	15%	15%	15%
1.3.1	Percentage implementation of the financial recovery and turnaround plan	100%	45%	91%	97%	100%
1.3.2	Percentage expenditure on annual budget	100%	20%	40%	70%	100%
Water Trading milestones						
1.1.1(b)	Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)	15%	15%	15%	15%	15%
1.2.1(b)	Percentage of targeted procurement budget spent on exempted micro enterprises	15%	15%	15%	15%	15%

Output Indicators		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
	(EME)					
1.3.3.	Number of debtor days	120 days	150 days	140 days	130 days	120 days

International Water Support sub-programme

Output Indicators		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
1.4.1	Percentage implementation of 2020/21 annual International Relations programme	75%	80%	80%	75%	75%

Corporate Services sub-programme

Output Indicators		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
1.5.1	Percentage implementation of the 2020/2021 Annual Communications, Stakeholder Management and Partnership Programme	96% implementation of the Annual Communications, Stakeholder Management and Partnership programme	23% implementation of the Annual Communications, Stakeholder Management and Partnership programme	48% implementation of the Annual Communications, Stakeholder Management and Partnership programme	71% implementation of the Annual Communications, Stakeholder Management and Partnership programme	96% implementation of the Annual Communications, Stakeholder Management and Partnership programme
1.6.1	Percentage vacancy rate for engineers and scientists	≤10%	≤10%	≤10%	≤10%	≤10%
1.6.2	Number of coaching and mentorship programme for levels 14, 15 and 16	1 coaching and mentorship programme	Draft Terms of reference for coaching and mentorship programme	Procurement of service provider for coaching and mentorship programme	Appointment of a service provider for coaching and mentorship programme	1 coaching and mentorship programme
1.6.3	Number of safety and security assessments for facilities and installations conducted	64 safety and security assessments	16 safety and security assessments	16 safety and security assessments	16 safety and security assessments	16 safety and security assessments
1.6.4	Percentage of information technology systems availability	90% information technology (IT) systems available	Maintain 90% information technology (IT) systems available	Maintain 90% information technology (IT) systems available	Maintain 90% information technology (IT) systems available	Maintain 90% information technology (IT) systems available

Departmental Management sub-programme

Output Indicators		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
1.6.5	Percentage compliance with approved audit plan	100%	25%	23%	32%	20%
1.6.6	Percentage compliance with the implementation of risk management plan	100%	70%	10%	10%	10%

5.1.4 Reconciling performance targets with the budget over the medium term

Sub-programme	Audited outcome			2018/19	Medium term expenditure estimates				
Rand thousand	2015/16	2016/17	2017/18		2019/20	Adjusted appropriation 2019/20	2020/21	2021/22	2022/23
Ministry	45 936	52 300	42 149	48 452	46 645	56 410	55 030	58 335	60 491
Departmental Management	91 583	105 504	88 346	84 558	103 389	104 306	108 363	115 289	119 751
Internal Audit	29 772	36 280	40 324	39 335	37 991	38 491	48 874	51 772	54 572
Corporate Services	626 770	718 639	741 436	696 385	777 120	764 236	849 563	913 413	945 897
Financial Management	196 276	232 005	219 910	253 904	269 281	267 079	282 571	300 570	311 889
Office Accommodation	374 112	346 920	411 246	439 180	481 378	481 378	518 980	555 814	575 976
Programme Management Unit	46 452	28 081	61 293	50 877	62 513	65 588	55 850	59 300	61 529
International Water Support	37 157	38 180	45 147	48 463	54 027	58 684	57 317	60 379	62 669
Total	**1 448 058**	**1 557 909**	**1 649 851**	**1 661 154**	**1 832 344**	**1 836 172**	1 976 548	2 114 872	2 192 774

5.2. Programme 2: Water Planning and Information Management

The programme is responsible to ensure that the country's water resources are protected, used, developed, conserved managed and controlled in a sustainable manner for the benefit of all people and the environment by developing a knowledge base and implementing effective policies, procedures and integrated planning strategies for water resources and water and sanitation services.

5.2.1 Sub-programmes

There were no changes to the sub-programmes for the 2019/20 financial year.

5.2.2 Outcomes, outputs, performance indicators and targets

Outcomes		Output		Output Indicators		Annual Targets								
						Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid term adjustment	2021/22	2022/23
2	Ecological infrastructure protected and restored	2.1	6 Water resource classes and Resource Quality Objectives (RQOs) by 2025	2.1.1	Number of river systems with water resources classes and determined resource quality objectives	2 river systems with water resources classes and resource quality objectives determined	1 (Mvoti-Mzimkulu)	0	3 Berg, Breede Gouritz, Mzimvubu	0 (Draft report for Water Resource Classes (Thukela)	No Adjustment	No Adjustment	0 (Implementation plan for the Water Resource Classes and the RQOs (Thukela)	1 (Thukela)
		2.2	River Eco-status Monitoring Programme implemented	2.2.1	Number of rivers in which the River Eco-status Monitoring Programme is implemented	66	92	71	66	83	59	No Adjustment	83	83
3 -	Water demand reduced and water supply increased	3.1	Water conservation and water demand strategies developed for water sectors	3.1.1	Number of water conservation and water demand strategies developed updated	New indicator	New indicator	New indicator	New indicator	0	No Adjustment	No Adjustment	2	2

Outcomes	Output		Output Indicators		Annual Targets								
					Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
					2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid term adjustment	2021/22	2022/23
	3.2	Integrated water resource plans / measures developed	3.2.1	National Water and Sanitation master plan (NWSMP) updated	-	Draft National Water and Sanitation Master Plan	National Water and Sanitation Master Plan (NWSMP) developed	Annual update of the Water and Sanitation Master Plan (NWSMP) and Operation Phakisa Implementation	Annual update of the Water and Sanitation Master Plan (NWSMP)	No Adjustment	No Adjustment	Annual update of the Water and Sanitation Master Plan (NWSMP)	Annual update of the Water and Sanitation Master Plan (NWSMP)
			3.2.2	Number of reconciliation strategies completed for various systems (WSS)	-	-	New Indicator	1	2	No Adjustment	No Adjustment	2	2
								Algoa WSS					
									Mbombela WSS	No Adjustment	No Adjustment	Integrated Vaal WSS	
								-	Richards Bay WSS	No Adjustment	No Adjustment	Western Cape WSS	
			3.2.3	Number of operating rules and specialist strategy studies completed annually for various water supply systems	-	-	-	Annual Operating Rules for 8 large water supply systems	Annual Operating Rules for 6 large water supply systems	*No Adjustment*	*No Adjustment*	Annual Operating Rules for 8 large water supply systems	Annual Operating Rules for 8 large water supply systems
								Algoa WSS	Algoa WSS	*No Adjustment*	*No Adjustment*	Algoa WSS	Algoa WSS
								Amathole WSS	Amathole WSS	*No Adjustment*	*No Adjustment*	Amathole WSS	Amathole WSS
								Crocodile West WSS	Crocodile West WSS	*No Adjustment*	*No Adjustment*	Crocodile West WSS	Crocodile West WSS
								Mgeni WSS	Mgeni WSS	*No Adjustment*	*No Adjustment*	Mgeni WSS	Mgeni WSS
								Orange WSS	-	*No Adjustment*	*No Adjustment*	Orange WSS	Orange WSS
								Polokwane WSS	Polokwane WSS	*No Adjustment*	*No Adjustment*	Polokwane WSS	Polokwane WSS
								Vaal WSS	Vaal WSS	*No Adjustment*	*No Adjustment*	Vaal WSS	Vaal WSS
								Western Cape WSS	-	*No Adjustment*	*No Adjustment*	Western Cape WSS	Western Cape WSS

Outcomes	Output		Output Indicators		Annual Targets								
					Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
					2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid term adjustment	2021/22	2022/23
			3.2.4	Number of updates climate change for Risk and Vulnerability Assessments completed annually for various water supply systems	2	3	0	2	2	No Adjustment	No Adjustment	2	
					Zone 3, the Vaal	-	-	Vaal System					
						Olifants-Limpopo	-	-	Limpopo Olifants & Inkomati Usuthu WMA				
						Inkomati-Usuthu	-	-	-				
					Zone 5 Umzimvubu - Tsitsikamma	Mzivubu-Tsitsikamma	-	Mzimvubu-Tsitsikamma WMA (Fish-Tsitsikamma & Mzimvubu-Keiskamma catchments)	-				
							-		Orange WMA				
					-	-	-	-				Pongola-Umzimkhulu WMA	
					-		-	-				Berg-Olifants and Breede – Gouritz WMA	
	3.3	7 Water resources monitoring programmes and 6 information systems reviewed and maintained by 2025	3.3.1	Number of water resources monitoring programmes reviewed and maintained	Water Monitoring network implementation strategy completed	Final Resourced Water Monitoring Network Implementation Plan developed	-	3	4	No Adjustment	No Adjustment	5	6
			3.3.2	Number of water and sanitation information systems maintained	-	-	-	6	6	No Adjustment	No Adjustment	6	6
	3.4	Gauging stations refurbishe	3.4.1	Number of existing gauging	-	-	-	-	1	No adjustment	No Adjustment	0	0

Outcomes		Output		Output Indicators		Annual Targets								
						Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid term adjustment	2021/22	2022/23
			d to improve management decisions		stations refurbished									
		3.5	8 large water supply systems assessed for water losses by 2025	3.5.1	Number of large water supply systems assessed for water losses	8	8	Water balance data and information collected from municipalities within the 8 large water supply systems	8	8	Water balance data and information collected from municipalities within the 8 large water supply systems	No adjustment	8	8
4	Water and sanitation services managed effectively	4.1	5 RID and 41 feasibility for bulk water supply and sanitation services infrastructure project plans completed by 2024	4.1.1	Number of completed Record of Implementation Decisions (RID) for bulk raw water planning projects	17 bulk water supply and sanitation services infrastructure project plans completed (i.e. 1 RIDs and 16 IRS)	17 bulk water supply and sanitation services infrastructure project plans completed (i.e. 4 RIDs and 13 IRS)	0 RID	5	0	No adjustment	No adjustment	1	3
										(Annual status report on progress (Xhariep Pipeline))	-	-	Mangaung Water Project: Xhariep Pipeline	-
										-	-	-	-	Lower Orange River Project (Vioolsdrift / Noordoewer Dam)
										-	-	-	-	Clanwilliam Bulk Conveyance Infrastructure
										-	-	-	-	Lower Coerney Balancing Dam
				4.1.2	Number of feasibility studies for	16	13	0	5	8	No adjustment	6 Inception reports for	8	8

Outcomes	Output		Output Indicators		Annual Targets								
					Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
					2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid term adjustment	2021/22	2022/23
				water and wastewater services projects (RBIG) completed							feasibility studies		
			4.1.3	Number of implementation readiness studies for water and wastewater services projects (RBIG) completed	12	13	1	5	8	No adjustment	6 Inception reports for implementation readiness studies	8	8
	4.2	Water and Sanitation regulatory prescripts developed	4.2.1	National Water and Sanitation Bill developed	Target not achieved	Submission to redraft the compulsory national standards was drafted and submitted, redrafting of compulsory standards meetings	Preliminary certification obtained from OCSLA	Draft Bill gazetted for external public consultation	Draft Bill submitted to cabinet for approval	No Adjustment	No Adjustment	Draft Bill submitted to Parliament for processing	Participation in meetings as per the direction of Portfolio committee or Select committee of Parliament
			4.2.2	Approved National Water Resources Strategy Edition 3 (NWRS-3)	-	The Draft 1 NWSRSS document was developed and submitted to Top Management for input and	Draft version 2.2 of the NWSRSS and the Submission to Minister and letter to portfolio committ	National Water Resources Strategy Edition 3 (NWRS-3)	National Water Resources Strategy Edition 3 (NWRS-3)	No adjustment	No adjustment	Monitoring and Evaluation of National Water Resources Strategy Edition 3 (NWRS-3)	Monitoring and Evaluation of National Water Resources Strategy Edition 3 (NWRS-3)

Outcomes	Output	Output Indicators		Annual Targets								
				Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
				2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid term adjustment	2021/22	2022/23
					approval.	ee was prepared on the delays to finalise the NWSRSS due						
		4.2.3	National Sanitation Integrated Plan	-	-	-	Conceptual Framework for National Sanitation Integrated Plan	Draft National Sanitation Integrated Plan	No adjustment	National Sanitation Situational Analysis Report	Final National Sanitation Integrated Plan	0
		4.2.4	National Faecal Sludge Management Strategy for on-site sanitation developed	-	-	-	-	Conceptual Framework for National Faecal Sludge Management Strategy for on-site sanitation developed	No adjustment	No adjustment	Draft National Faecal Sludge Management Strategy for on-site sanitation developed	Final National Faecal Sludge Management Strategy for on-site sanitation developed
		4.2.5	Number of district municipalities (DMs) with completed 5 year reliable water and sanitation services delivery implementation plans	6 priority DMs • O R Tambo • Xhariep • Uthungulu • Vhembe • Ehlanzeni • John Taole Gaetsewe	17 DMs with completed 5 year water and sanitation services master plans – Phase 1	3 priority DMs complete– Phase 2	17 priority DMs District complete Phase 2	Develop five year Reliable Water & Sanitation Implementation Plans Phase 1 and Phase 2 of 27 Priority DMs]	Develop five year Reliable Water & Sanitation Implementation Plans Phase 1 and Phase 2 of 10 Priority DMs	Situation Assessment Report for Five Year Reliability Implementation plan programme in 10 DMs	Monitor implementation programme and develop reporting structures to reflect delivery of reliable services	Report on reliable service provision in 27 Priority DMs and updating of implementation plans
		4.2.6	Annual MuSSA reports on water services authorities performance in providing water and	-	-	58 MuSSA finalised	58 MuSSA finalised	1 National Report on Municipal Strategic Self-Assessments (MuSSA) within the	No adjustment	No adjustment	1 National Report on Municipal Strategic Self-Assessments (MuSSA) within the	1 National Report on Municipal Strategic Self-Assessments (MuSSA) within the

Outcomes		Output		Output Indicators		Annual Targets								
						Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Mid term adjustment	2021/22	2022/23
					sanitation services					WSAs, metros and secondary cities			WSAs, metros and secondary cities	WSAs, metros and secondary cities

5.2.3 Indicators, annual and quarterly targets

Water Ecosystems sub-programme

Output indicator		Annual target 2020/21	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	0	0			
		Draft report for Water Resource Classes (Thukela)	Review status quo report	Review report on linking the value and condition of water resource	Review preliminary resource units report	Draft report for Water Resource Classes (Thukela)
			Review delineation of Integrated Units of Analysis and Resource Units Report	-	-	-

Integrated Planning sub-programme

Output Indicators		Annual Target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.2.1	National Water and Sanitation master plan (NWSMP) updated	Annual update of the Water and Sanitation Master Plan (NWSMP)	Finalisation of Pre-Lab preparation report to host Operation Phakisa on the National Water and Sanitation Master Plan	Hosting Operation Phakisa	Operationalisation and facilitation of the NWSMP	Annual update of the Water and Sanitation Master Plan (NWSMP)
3.2.2	Number of reconciliation strategies completed for various systems (WSS)	2	0	0		
		Mbombela WSS	-	-	Mbombela WSS	
		Richards Bay WSS	-	-		Richards Bay WSS
3.2.3	Number of operating rules and specialist strategy studies completed annually for various water supply systems	6	Hydrological and water requirements data collection	Operating Rules for 3 water supply systems namely:	Operating Rules for an additional 3 water supply systems namely:	Final report for the year
		Algoa WSS		Algoa	-	Algoa WSS
		Amathole WSS		-	Amathole	Amathole WSS
		Crocodile West WSS		-	Crocodile West	Crocodile West WSS
		Mgeni WSS		Umgeni	-	Mgeni WSS
		Polokwane WSS		-	Polokwane	Polokwane WSS
		Vaal WSS		Vaal	-	Vaal WSS
3.2.4	Number of updates climate change for Risk and	2				Consolidated report for
		OrangeWMA	Update Climate Change Risk	Update Climate Change Risk	Develop adaption options as	updated climate change Risk

Output Indicators		Annual Target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
	Vulnerability Assessments completed annually for various water supply systems		and Vulnerability Assessment for the Upper Orange	and Vulnerability Assessment for the Lower Orange	appropriate for the Upper and Lower Orange	and Vulnerability Assessment and developed adaption options as appropriate for Orange WMA
		Limpopo Olifants and Inkomati Usuthu WMA	Update the climate change Risk and Vulnerability Assessment and develop adaption options as appropriate for the Limpopo	Update the climate change Risk and Vulnerability Assessment and develop adaption options as appropriate for the Olifants	Update the climate change Risk and Vulnerability Assessment draft final and develop adaption options as appropriate for the Inkomati Usuthu	Consolidated report for updated climate change Risk and Vulnerability Assessment and developed adaption options as appropriate for the Limpopo the Olifants and the Inkomati Usuthu

Water Information Management sub-programme

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
Main Account						
3.3.1	Number of water resources monitoring programmes reviewed and maintained	4 programmes	Progress report for 4 programmes	Progress report for 4 programmes	Progress report for 4 programmes	Progress report for 4 programmes
		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
		Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
		NCMP	NCMP	NCMP	NCMP	NCMP
		NEMP	NEMP	NEMP	NEMP	NEMP
3.3.2	Number of water and sanitation information systems maintained	6 systems	Progress report on the maintenance of 6 water information systems	Progress report on the maintenance of 6 water information systems	Progress report on the maintenance of 6 water information systems	Progress report on the maintenance of 6 water information systems
		NIWIS,	NIWIS,	NIWIS,	NIWIS,	NIWIS,
		HYDSTRA,	HYDSTRA,	HYDSTRA,	HYDSTRA,	HYDSTRA,
		NGIS,	NGIS,	NGIS,	NGIS,	NGIS,
		WMS,	WMS,	WMS,	WMS,	WMS,
		GIS,	GIS,	GIS,	GIS,	GIS,
		FMFS	FMFS	FMFS	FMFS	FMFS
3.4.1	Number of existing gauging stations refurbished	1 gauging station (Liverpool gauging))	Commencement of work 85%	90%	95%	1 (Liverpool gauging)
Water Trading						
2.2.1	Number of rivers in which the River Eco-status Monitoring Programme is implemented	59	79	31	55	59

Water Services and Local Water Management sub-programme

Output Indicators		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.5.1	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	Ad hoc engagements on the IWA reporting requirements within the 8 large water supply system	Collection of IWA water balances from municipalities within the 4 large water supply systems (WSS)	Collection of IWA water balances from municipalities within the 4 large water supply systems	8
		Algoa	Algoa	-	Algoa	Algoa
		Amatole	Amatole	-	Amatole	Amatole
		Crocodile West River	Crocodile West River	Crocodile West River	-	Crocodile West River
		Greater Bloemfontein	Greater Bloemfontein	-	Greater Bloemfontein	Greater Bloemfontein
		Integrated Vaal	Integrated Vaal	Integrated Vaal	-	Integrated Vaal
		Olifants River	Olifants River	-	Olifants River	Olifants River
		Umgeni River	Umgeni River	Umgeni River	-	Umgeni River
		Western Cape	Western Cape	Western Cape	-	Western Cape
4.1.1	Number of completed Record of Implementation Decisions (RID) for bulk raw water planning projects	0	0			
		Annual status report on progress (Xhariep Pipeline)	-	Mid-term status report on progress (Xhariep Pipeline)	-	Annual status report on progress (Xhariep Pipeline)
4.1.2	Number of feasibility studies for water and wastewater services projects (RBIG) completed	6 Inception reports for feasibility studies	Finalization of procurement processes for 8 feasibility studies	Progress reports the development of 8 feasibility studies	6 Project Execution Support	6 Inception reports for feasibility studies
4.1.3	Number of implementation readiness studies for water and wastewater services projects (RBIG) completed	6 Inception reports for implementation readiness studies	Finalization of procurement processes for 8 IRS	Progress reports on development of 8 IRS	6 Project Execution Support	6 Inception reports for implementation readiness studies
4.2.5	Number of district municipalities (DMs) with completed 5 year reliable water and sanitation services delivery implementation plans	Situation Assessment Report fo Five Year Reliability Implementation plan programme in 10 DMs	Roll-out of five year reliability plan programme in 27 DMs	Situational assessment for five year water and sanitation service delivery reliability implementation plans for 10 DMs	Project Execution support for Five Year Reliability Implementation plan programme in 10 DMs	Situation Assessment Report for Five Year Reliability Implementation plan programme in 10 DMs
4.2.6	Annual MuSSA reports on water services authorities performance in providing water and sanitation services	1 National Report on Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities	Update to MuSSA on line system	Data collection for MuSSA	Data collection for MuSSA	1 National Report on Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cites

Policy and Strategy sub-programme

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
4.2.1	National Water and Sanitation Bill developed	Draft Bill submitted to cabinet for approval	Incorporation of the comments received from the public	Incorporation of the comments received from the public	Presentation of the Bill to the DG and clusters for further inputs	Requesting approval from cabinet to table the Bill to Parliament
4.2.2	Approved National Water Resources Strategy Edition 3 (NWRS-3)	National Water Resources Strategy Edition 3 (NWRS-3)	Cabinet process for approval to gazette the NWRS 3 for public consultation	Gazetting for 90/60 day consultation	Public consultation	Cabinet processes for the approval and implementation of NWRS 3

Sanitation Planning and Management sub-programme

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
4.2.3	National Sanitation Integrated Plan	National Sanitation Situational Analysis Report	Provincial situational analysis reports for Limpopo and Northern Cape	Provincial situational analysis reports for Eastern Cape, KwaZulu Natal, and North West	Provincial Sanitation Situational Analysis Reportst for Gauteng, Free State, Mpumalanga and Western Cape provinces	National Sanitation Situational Analysis Report
4.2.4	National Faecal Sludge Management Strategy for on-site sanitation developed	Conceptual Framework for National Faecal Sludge Management Strategy for on-site sanitation developed	Concept Note developed	Report on Pilot for faecal sludge management system in Polokwane to ensure sanitation safety planning	Draft Conceptual Framework for National Faecal Sludge Management Strategy for on-site sanitation developed	Conceptual Framework for National Faecal Sludge Management Strategy for on-site sanitation developed

5.2.4 Reconciling performance targets with the budget over the medium term

Sub-programme	Audited outcome			Adjusted appropriation 2018/19	Medium term expenditure estimates				
Rand thousand	2015/16	2016/17	2017/18		2019/20	Adjusted appropriation 2019/20	2020/21	2021/22	2022/23
Water Planning, Information Management and Support	3 851	5 036	6 240	6 466	7069	7 069	7 414	7 882	8 177
Integrated Planning	159 032	93 035	103 944	68 151	97868	84 158	101 929	110 245	114 642
Water Ecosystems	50 161	50 427	54 377	36 862	53 979	40 023	60 236	52 859	54 766
Water Information Management	456 007	517 651	496 890	408 642	533 329	519 379	575 404	614 034	637 647
Water Services and Local Water Management	-	112 553	108 128	141 019	240 950	223 950	239 128	257 910	267 737
Sanitation Planning and Management	-	11 599	12 138	12 864	16 699	15 098	20 464	21 978	22 800
Policy and Strategy	31 914	25 052	20 731	15 626	20 454	18 219	21 864	23 229	24 099
Total	**700 965**	**815 353**	**802 448**	**689 630**	**970 348**	**907 896**	1 026 439	1 088 137	1 129 868

5.3. Programme 3: Water Infrastructure Development

Develop, rehabilitate and refurbish raw water resources and water services infrastructure to meet the socioeconomic and environmental needs of South Africa.

5.3.1 Sub-programmes

To comply with the transparency and accountability for allocations stipulated in the Guidelines on Budget Programmes, the previous Water Services Infrastructure sub-programme was separated into three (3) sub-programmes namely the Regional Bulk Infrastructure Grant, Water Services Infrastructure Grant and Accelerated Community Infrastructure Programme. In addition, the Strategic Asset management sub-programme within the Water Trading Entity was merged with the Infrastructure Development and Rehabilitation sub-programme to create the new Strategic Infrastructure Development and Management sub-programme.

5.3.2 Outcomes, outputs, performance indicators and targets

Outcome		Output		Output Indicators		Annual Targets								
						Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/22	2022/23
3	Water demand reduced and water supply increased	3.6	Strategic water resources infrastructure projects implemented	3.6.1	Number of bulk raw water projects ready for implementation	0	1	0	2	4	No adjustment	3	3	4
							Tzaneen Dam: The tender documents were converted from FIDIC to GCC Form of Contract)	-	-	-	-	-	-	-
							Nwamitwa Dam: Tender documentation for dam completed	-	-	Nwamitwa Dam	-	-	Nwamitwa Dam	Nwamitwa Dam
							Clanwilliam Dam: Submissions made to DBAC for reconstitution of BEC)	-	-	-	-	-	-	-
							Umzimvubu							

Outcome	Output	Output Indicators	Annual Targets								
			Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
			2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/22	2022/23
				Water Project: Ntabelanga Dam: Tender documentation for Ntabelanga BDS dam completed. Detail design for Lalini Dam and HEP completed							
				-	-	ORWRDP 2D	ORWRDP 2D	-	ORWRDP 2D	ORWRDP 2D	
				-	-	-	-	-	-	-	ORWRDP 2E
				-	-	-	-	-	-	-	ORWRDP 2F
				-	-	Mokolo Crocodile (West) Water Augmentation Project - Phase 2A	Mokolo Crocodile (West) Water Augmentation Project - Phase 2A	-	Mokolo Crocodile (West) Water Augmentation Project - Phase 2A	-	-
				-	-	-	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
		3.6.2	Number of bulk raw water projects under construction	2	1	0	4	4	No adjustment	No adjustment	4	4
				ORWRDP 2C	-	-	-	-	-	-	-	ORWRDP 2D
				Hazelmere Dam	Hazelmere Dam		Hazelmere Dam	Hazelmere Dam	*No adjustment*	*No adjustment*		
				-	-	-	Clanwilliam Dam	Clanwilliam Dam	*No adjustment*	*No adjustment*	Clanwilliam Dam	Clanwilliam Dam
				-	-	-	Mzimvubu Dam	Mzimvubu Dam (Ntabelanga Dam &	*No adjustment*	*No adjustment*	Mzimvubu Dam (Ntabelanga Dam & Advance	Mzimvubu Dam (Ntabelanga Dam &

Outcome	Output		Output Indicators		Annual Targets								
					Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
					2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/22	2022/23
									Advance Infrastructure)			Infrastructure)	Advance Infrastructure)
					-	-	-	Tzaneen Dam	Tzaneen Dam	*No adjustment*	*No adjustment*	Tzaneen Dam	
					-	-	-	-	-	-	-	Mokolo Crocodile (West) Water Augmentation Project - Phase 2A	Mokolo Crocodile (West) Water Augmentation Project - Phase 2A
			3.6.3	Number of bulk raw water projects completed	1	1	0	2	1	No adjustment	0	1	0
					ORWRD P 2C		-						
					-	Hazelmere Dam	-	Hazelmere Dam	Hazelmere Dam				
					-	-	-	Goedertrouw Transfer Scheme					
					-	-	-	-	-	-	-	Tzaneen Dam	
	3.7	Regional bulk infrastructure project phases implemented	3.7.1	Number of regional bulk infrastructure project phases under construction[viii]	77	89	81	94	73	110	109	50	50
			3.7.2	Number of regional bulk infrastructure project phases completed[ix]	33	11	15	24	22x	27	26	14	12
	3.8	Water services Infrastructure	3.8.1	Number of small WSIG projects	424	191	181	254	349	326	347	90	90

[viii] Consolidated mega, large and small regional bulk infrastructure projects under construction
[ix] Consolidated mega, large and small regional bulk infrastructure projects completed
[x] The 2020/21 ENE figures have been amended to cater for projects that were not completed in 2019/20 financial year and will be completed during the 2020/21 financial year

Outcome	Output		Output Indicators		Annual Targets								
					Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
					2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/22	2022/23
		Grant Projects implemented		under construction									
			3.8.2	Number of small WSIG projects completed	14	47	-	131	102	105	105	90	95
			3.8.3	Number of intervention projects implemented	-	-	-	-	1	No adjustment	No adjustment	-	-
			3.8.3 (a)	Number of intervention projects implemented [COVID-19]	-	-	-	-	-	-	432	-	-
			3.8.4	Number of existing bucket sanitation backlog systems in formal settlements replaced with adequate sanitation services per year	6 978	8 313	2 019	12 221	10 798	No adjustment	No adjustment	-	-
	3.9	National Asset Management Plan (NAMP) with unscheduled maintenance kept at 80% and below by 2024	3.9.1	Percentage scheduled maintenance projects completed as a proportion of planned maintenance projects	60% (152/255)	36% (i.e. 140 of the 390 projects completed)	46% (i.e. 267 of the 579 projects completed)	80%	80%	No adjustment	50%	80%	80%
			3.9.2	Percentage unscheduled maintenance projects completed as a proportion of planned maintenance projects	0%	0,2% [i.e. Zaaihoeh refurbishment of DN 1600 river outlet valve(Usuthu – Vaal)]	27%(i.e. 153 of 579 projects completed as part of unscheduled maintenance	≤20%	≤20%	No adjustment	≤30%	≤20%	≤20%

Outcome	Output		Output Indicators		Annual Targets								
					Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
					2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/22	2022/23
		3.10	Adherence to Water Supply Agreements/ Authorisations and Operating Rules (Water Resource Operations)	3.10.1	Percentage adherence to Water Supply Agreements/ Authorisations and Operating Rules (Water Resource Operations)	-	-	92%	80%	80%	No adjustment	No adjustment	80%	80%
				3.10.2	Number of dam safety evaluated	-	-	-	30	30	No adjustment	25	30	30
				3.10.3	Number of dam safety rehabilitation projects completed	0	0 (i.e. 90% completion of the Roodekoppies Dam)	0	5	2	No adjustment	No adjustment	6	6
									-	Bloemhof Dam	*No adjustment*	*No adjustment*	-	
									-	-	-	-	Damani Dam	
									Kalkfontein Dam	-	-	-	-	
									-	Kwaggaskloof Dam	*No adjustment*	*No adjustment*	Kwaggaskloof Dam	
									-	-	-	-	Leeugamka dam	
									Marico Bosveld Dam	-	-	-	-	
									Morgenstond Dam	-	-	-	-	
									-	-	-	-	Mthatha Dam	
									Nkadimeng Dam	-	-	-	-	
									-	-	-	-	Nzhelele Dam	
									Rietspruit Dam	-	-	-	-	
									-	-	-	-	Weltevrede Dam	

Outcome		Output		Output Indicators		Annual Targets								
						Audited / Actual performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/21	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/22	2022/23
				3.10.4	Number of kilometres of conveyance systems rehabilitated per annum	-	5,4801 km	3,4 km	7 km	2.5 km	No adjustment	No adjustment	10km	10km

5.3.3 Indicators, annual and quarterly targets

Strategic Infrastructure Development and Management sub-programme

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.6.1	Number of bulk raw water projects ready for implementation	3				
		Mokolo Crocodile (West) Water Augmentation Project – Phase 2A	Tender design completed	Construction tender issued	Prequalification document issued	Prequalification evaluation complete
		ORWRDP 2D	-	RAP Specialist appointed	-	Appointment of Valuer
		Lusikisiki Regional Water Supply Scheme: Zalu Dam	Design at 5% completion	Geotech service provider appointed	-	Design at 15 % completion
				Design at 10% completion	Design at 13% completion	
3.6.2	Number of bulk raw water projects under construction	4				
		Tzaneen Dam	-	Construction progress at 8% completion	-	Approval of licence to construct
		Clanwilliam Dam	Construction progress at 7% completion	Construction progress at 9% completion	Construction progress at 13% completion	Construction progress at 15% completion
		Hazelmere Dam	Installation of permanent load cells completed	Stressing of rock anchors completed	Construction commenced	Site re-establishment completed
				Left bank and intake tower completed		
		Mzimvubu				
		Ntabelanga Dam	Requests for Proposals (RFP) of funding model	Finalisation of tender documents	Tender- RFP for funding	Tender advertise for construction
		Advance Infrastructure	Site establishment	Tender appointments	Finalisation of the Appointment of ECO and OHS	20% complete (widening of access roads) –i.e. construction progress
			5% complete (widening of access roads) –i.e. construction progress-	15% complete (widening of access roads) –i.e. construction progress		
3.6.3	Number of bulk raw water projects completed	0				
		Hazelmere Dam	Installation of permanent load cells completed	Stressing of rock anchors completed	Construction commenced	Site re-establishment completed
				Left bank and intake tower completed		
3.6.3.1	Number of job opportunities	50	35	40	20	30

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
	created through implementing augmentation infrastructure projects					

Regional Bulk Infrastructure Grant sub-programme

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.7.1.1	Number of mega regional bulk infrastructure project phases under construction	9	8	8	8	8
3.7.2.1	Number of mega regional bulk infrastructure project phases completed	1	0	0	1	0
3.7.1.2	Number of large regional bulk infrastructure project phases under construction	62	51	56	53	57
3.7.2.2	Number of large regional bulk infrastructure project phases completed	11	3	2	4	6
3.7.1.3	Number of small regional bulk infrastructure project phases under construction	38	26	34	32	32
3.7.2.3	Number of small regional bulk infrastructure project phases completed	14	1	4	3	9
3.7.2.4	Number of job opportunities created through implementing RBIP infrastructure projects	995	145	130	348	372

Water Services Infrastructure Grant sub-programme

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.8.1	Number of small WSIG projects under construction	347	149	192	255	271
3.8.2	Number of small WSIG projects completed	105	51	8	20	26
3.8.3	Number of intervention projects implemented	1	1	1	1	1
3.8.3 (a)	Number of intervention	432	-	-	80	352

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
	projects implemented [COVID-19]					
'3.8.4	Number of existing bucket sanitation backlog systems in formal settlements replaced with adequate sanitation services per year	10 798	1 400 buckets replaced	9 398 buckets replaced	0 bucket replaced	0 bucket replaced
		FS: 10 202				
		NC: 596				

Operations of Water Resources sub-programme

Output indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
3.9.1	Percentage of projects completed as per Maintenance Plan (Planned Maintenance)	50%	5%	15%	10%	20%
3.9.2	Percentage unscheduled maintenance projects completed as a proportion of planned maintenance projects	≤30%	≤20%	≤20%	≤30%	≤30%
3.10.1	Percentage adherence to Water Supply Agreements/ Authorisations and Operating Rules (Water Resource Operations)	80%	80%	80%	80%	80%
3.10.2	Number of dam safety evaluated	25	0	0	0	25
3.10.3	Number of dam safety rehabilitation projects completed	2				
		Bloemhof dam	-	20%	0%	30%
		Kwaggaskloof Dam	-	30%	0%	30%
3.10.4	Number of kilometres of conveyance systems rehabilitated per annum	2.5 km	0.172	0.191	1	1.5
3.10.5	Number of job opportunities created through implementing operations of water resources infrastructure projects	100	20	20	45	55

5.3.4 Reconciling performance targets with the budget over the medium term

Sub-programme Rand thousand	Audited outcome			Adjusted appropriation 2018/19	Medium term expenditure estimates				
	2015/16	2016/17	2017/18		2019/20	Adjusted appropriation 2019/20	2020/21	2021/22	2022/23
Strategic Infrastructure Development and Management	1 758 960	1 731 911	1 906 704	2 292 133	2 393 652	2 393 652	2 476 567	2 408 130	2 447 910
Operation of Water Resources	164 371	165 000	173 000	183 034	193 284	193 284	203 915	215 130	227 037
Regional Bulk Infrastructure Grant	5 408 016	6 258 174	6 018 815	5 603 536	5 973 235	6 033 057	6 767 858	6 326 189	6 656 277
Water Services Infrastructure Grant	5 401 604	4 117 730	4 418 342	5 532 206	4 480 465	4 525 091	4 199 594	4 536 452	4 665 765
Accelerated Community Infrastructure Programme	414 052	681 834	243 502	593 341	134 474	141 877	147 831	157 051	162 971
Total	**13 147 003**	**12 954 649**	**12 760 363**	**14 204 250**	**13 175 110**	**13 286 961**	13 795 765	13 642 952	14 159 960

5.4. Programme 4: Water Sector Regulation

Ensure the development, implementation, monitoring and review of regulations across the water supply value chain.

5.4.1 Sub-programmes

There were no changes to the sub-programmes.

5.4.2 Outcomes, outputs, performance indicators and targets

Outcome		Outputs		Output Indicators		Annual Targets								
						Audited / Actual Performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/2021	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/2022	2022/23
2	Ecological infrastructure protected and restored	2.3	3 mine water / waste water management plans implemented	2.3.1	Mine water/ waste water management plans implemented	0	0	0	0	0	No adjustment	No adjustment	1 Mine water/ waste water management plans implemented	1
				2.3.2	Number of strategies developed for AMD mitigation	1	1	1	1	2	No adjustment	No adjustment	0	0
						Olifants-Steelpoort catchment	-	-						
						-	Inkomati-Usutu WMA	-						
						-	-	Pongola-Mtamvuna WMA						
						-	-	-	Crocodile (West) - Limpopo					
						-	-	-		Orange				
							-	-		Mzimvubu - Tsitsikama WMA				

Outcome		Outputs		Output Indicators		Annual Targets								
						Audited / Actual Performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/2021	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/2022	2022/23
				2.3.3	Waste Discharge Charge System (WDCS) implemented country wide	-	-	-	Review of existing gap analysis on WDCS	Development of the methodology and management approach to implement the WDCS	No adjustment	No adjustment	Pilot WDCS in 3 WMAs • Vaal • Crocodile (West) - Limpopo • Olifants	0
				2.3.4	Number of river systems monitored for the implementation of resource directed measures	-	-	-	-	-	No adjustment	No adjustment	2	2
5	Enhanced regulation of the water and sanitation sector	5.1	65% Compliance to environmental legislation by 2025	5.1.1	Number of water users monitored for compliance	435	712	407	309xi	369	No adjustment	333[xii]	396	396
				5.1.2	Percentage of reported non-compliant cases investigated	100% (634 of 634)	96% (614 of 642)	94% (i.e. 441 of 471)	80%	80%	No adjustment	70%	80%	80%
				5.1.3	Number of wastewater supply systems assessed for compliance with the Green Drop Regulatory requirements	0	0 (787 desktop assessments conducted)	0	0	963	No adjustment	963	0	963
				5.1.4	Number of water supply systems assessed for compliance with the Blue Drop Regulatory requirements	763	788	0	0	0	No adjustment	No adjustment	1010	0
				5.1.5	Number of non-compliant	318	510	313	327	341	No adjustment	No adjustment	260	260

[xii] 72 mines monitored; 81 agriculture sector; 34 industrial sector; 14 forestry sector; 17 public sector, 50 municipal and 65 dams inspected

Outcome		Outputs		Output Indicators		Annual Targets								
						Audited / Actual Performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/2021	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/2022	2022/23
					wastewater systems monitored against the Regulatory Requirements									
				5.1.6	Number of non-compliant water supply systems monitored against the Regulatory quirements	316	377	283	371	355	No adjustment	No adjustment	371	371
				5.1.7	Water economic regulator established	0	Business case approved	Held a working session with WTE and incorporation of additional comments from NT	Consultation plan for the draft business case of the independent economic regulator developed	'-	-	-	Due diligence reports and second draft business case	Draft legislation for the establishment of the independent economic regulator finalised
		5.2	Water pricing regulations	5.2.1	Water pricing regulations implemented	0	Draft pricing strategy developed and the OCSLA opinion obtained for the norms and standards	Pricing strategy and norms and standards developed awaiting ministerial approval	2020/21 raw water charges and bulk tariffs approved	2021/22 raw water charges and bulk tariffs approved	No adjustment	No adjustment	2021/22 raw water charges and bulk tariffs approved	0
		5.3	Regulations for accelerated turnaround time to finalise applications for water use authorisation	5.3.1	Percentage of applications for water use authorisation finalised within regulated time	68% (i.e. 275 of 404 applications)	95% (i.e. 447 out of 469)	81%(i.e. 476 out of 588)	80%	80%	No adjustment	60%	80%	80%
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 2 water management areas	Validation and Verification of existing lawful use in 3 water manageme	Validation and Verification of existing lawful use in 2 water managemen	-	-	-	Draft Regulation for water allocation reform	Draft Regulation published for public comment

Outcome		Outputs		Output Indicators		Annual Targets								
						Audited / Actual Performance			Estimated performance 2019/20	MTEF Period				
						2016/17	2017/18	2018/19		2020/2021	COVID-19 2020/21 adjustment	2020/21 Adjustment	2021/2022	2022/23
							(WMAs)	nt areas (WMAs)	t areas (WMAs)					
		6.2	Streamlined institutional arrangements for the water and sanitation sector	6.2.1	Performance of entities evaluated against their performance plans	Annual appraisals of shareholder compacts and business plans for 13 entities	Shareholder compacts and business plans for 13 entities were finalised	Annual appraisals of shareholder compacts and business plans for 13 entities	Annual appraisals of shareholder compacts and business plans for 12 entities	Annual performance of 13 entities (TCTA, WRC, 9 WBs and 2 CMAs)	No adjustment	No adjustment	Annual appraisals of shareholder compacts and business plans for 13 entities	Annual appraisals of shareholder compacts and business plans for 13 entities
				6.2.2	National Water Resources and Water Services Agency established	0	Due diligence for the establishment of the National Water Infrastructure Agency finalised	0	Final concept note for establishment of the Authority	Final Business case finalised	No adjustment	No adjustment	Legislation for establishment of the Agency	Gazette for establishment of the Agency
				6.2.3	Number of Catchment Management Agencies gazetted for establishment	0	1 National CMA gazetted for establishment	0	0 (Boards appointed for Vaal, Olifants, Limpopo-North West and Phongola-Mzimkhulu CMAs)	2(Breede-Gouritz , and Vaal CMAs) for new area operation gazetted	No adjustment	No adjustment	2 Gazette new area operation of Phongola-Mzimkhulu and Limpopo-North West CMAs	1 Gazette Mzimvubu-Tsitsikamma CMA for establishment
				6.2.4	Number of regional water utilities gazetted for establishment	0	0	0	0 [Roadmap for the establishment of proto-regional water utilities (Sedibeng; Magalies and Bloem) developed]	(0) Draft due diligence for 2 regional water utilities (Sedibeng and Bloem)	No adjustment	No adjustment	(0) Draft Due diligence reports for 2 regional water utilities (Magalies and Amatola) developed	(0) Draft Due diligence reports for 1 regional water utilities (Overberg) developed

5.4.3 Indicators, annual and quarterly targets

Economic and Social Regulation sub-programme

Output Indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
2.3.2	Number of strategies developed for AMD mitigation	2	Draft strategy for the Orange WMA	Final strategy for the Orange WMA	Draft strategy for the Mzimvubu-Tsitsikama WMA	Final strategy for the Mzimvubu-Tsitsikama WMA
2.3.3	Waste Discharge Charge System (WDCS) Implemented country wide	Development of the methodology and management approach to implement the WDCS	Drafting of Project Plan	Establish PSC and Technical Task Team	Literature Review	Draft Methodology
5.2.1	Water pricing regulations implemented	2021/22 raw water charges and bulk tariffs approved	Consultation on the raw water charges	Finalisation and submission for approval of 2021/22 raw water charges	Consultation of bulk water tariffs	Approval and tabling of the 2021/22 water tariffs

Compliance Monitoring and Enforcement sub-programme

Output Indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
5.1.1	Number of water users monitored for compliance	333	92	114	70	57
5.1.2	Percentage of reported non-compliant cases investigated	70%	80%	80%	70%	70%

Water Supply Services and Sanitation Regulation sub-programme

Output Indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
5.1.3	Number of wastewater supply systems assessed for compliance with the Green Drop Regulatory requirements	963	Procurement process finalized	Inception Report	Provincial consultations	Assessment of 963 wastewater systems
			-	Training of assessors	-	-
5.1.5	Number of non-compliant wastewater systems monitored against the Regulatory Requirements	341	94	96	84	67
5.1.6	Number of non-compliant water supply systems monitored against the Regulatory Requirements	355	103	102	78	72

Water use Authorisation and Administration sub-programme

Output Indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
5.3.1	Percentage of applications for water use authorisation finalised within the regulated period	60%	80%	80%	30 %	50 %

Institutional Oversight sub-programme

Output Indicator		2020/21 annual target	Quarter 1 (Apr – Jun)	Quarter 2 (Jul – Sept)	Quarter 3 (Oct – Dec)	Quarter 4 (Jan – Mar)
6.2.1	Performance of entities evaluated against their performance plans	Annual performance plans and reports 13 entities(TCTA, WRC, 9 WBs and 2 CMAs)	Shareholder compacts/business plans for 9 WBs	Annual reports for 2 CMAs, TCTA and WRC	Annual reports for 9 Water Boards	Annual Performance plans for TCTA, WRC and 2 CMAs
			13 Quarterly reports for TCTA, WRC, 9 WBs and 2 CMAs	13 Quarterly reports for TCTA, WRC, 9 WBs and 2 CMAs	13.Quarterly reports for TCTA, WRC, 9 WBs and 2 CMAs	13 Quarterly reports for TCTA, WRC, 9 WBs and 2 CMAs
6.2.2	National Water Resources and Water Services Agency established	Final Business case finalised	Steering committee engagements	Operational integration plan finalised	Draft Business Case developed	Final Business case finalised
			Draft operational integration plan	-	Consultation for establishment of the Agency	-
6.2.3	Number of Catchment Management Agencies gazetted for establishment	2(Breede-Gouritz , and Vaal CMAs) for new area operation gazetted	Stakeholder consultation for new area operation of Breede-Gouritz , and Vaal CMAs	Stakeholder consultation for new area operation of Breede-Gouritz , and Vaal CMAs	Draft business case for new area operation of Breede-Gouritz , and Vaal CMAs	2(Breede-Gouritz , and Vaal CMAs) for new area operation gazetted
6.2.4	Number of regional water utilities gazetted for establishment	0				
		Draft due diligence for 2 regional water utilities (Sedibeng and Bloem)	Stakeholder consultation for the due diligence	Stakeholder consultation for the due diligence	Draft due diligence for Sedibeng	Draft due diligence for Bloem

5.4.4 Reconciling performance targets with the budget over the medium term

Sub-programme Rand thousand	Audited outcome			Adjusted appropriation 2018/19	Medium term expenditure estimates				
	2015/16	2016/17	2017/18		2019/20	Adjusted appropriation 2019/20	2020/21	2021/22	2022/23
Water Sector Regulation Management and Support	34 119	37 309	39 373	27 603	40 093	39 588	40 447	42 125	43 880
Economic and Social Regulation	12 310	28 394	22 869	21 672	35 551	30 516	32 461	30 853	32 158
Water Use Authorisation and Administration	44 403	58 459	65 539	40 474	81 725	75 160	75 300	78 801	82 268
Water Supply Services and Sanitation Regulation	15 728	20 346	24 982	11 382	17 836	62 527	21 735	22 818	23 782
Compliance Monitoring and Enforcement	83 462	86 853	122 989	103 884	135 763	128 760	140 407	145 739	151 623
Institutional Oversight	70 926	76 883	119 035	113 680	151 602	99 719	107 125	104 106	108 571
Total	**260 948**	**308 244**	**394 787**	**318 695**	**462 570**	**436 270**	417 475	424 442	442 282

6. Explanation of planned performance over the five year planning period

6.1. 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 owned and / or controlled by women, youth and people with disabilities.

6.2. Programme 2: Water Planning and Information Management

The purpose of the programme is to ensure that South Africa's water resources are protected, used, developed, conserved managed and controlled in a sustainable manner for the benefit of all people and the environment by developing a knowledge base and implementing effective policies, procedures and integrated planning strategies both for water resources and water services.

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 in stream and riparian (river bank) habitat, as well as the condition of the aquatic animal and plant life.

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.

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 in particular. The MuSSA reports for each WSA provide an insight particularly on the strengths and vulnerabilities in terms of water and sanitation service delivery.

6.3. Programme 3: Water Infrastructure Development

The purpose of the programme is to develop, rehabilitate and refurbish raw water resources and water services infrastructure to meet the socio-economic and environmental needs of South Africa.

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.

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 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 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.). 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.

6.4. Programme 4: Water Sector Regulation

The purpose of the programme is to ensure the development, implementation, monitoring and review of regulations across the water supply value chain.

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.

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 drinking water quality and wastewater service management was introduced to create a paradigm shift from minimum requirement compliance towards continued risk management. The Blue Drop and Green Drop reports review the WSAs compliance with the requirements for drinking water quality and wastewater service management.

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.

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 and the Water Services Act, provided for the establishment of the institutional framework for water resource management and water services.

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.

The NWA also provides for the transformation of existing irrigation boards into Water User Associations that include emerging farmers. The Water Services Act provides for the establishment of water boards that provide bulk water services to other water services institutions (e.g. WSAs, mines, industry etc.).

The Department plays various roles (namely policy developer, a regulator, an implementer and an operator of water resource infrastructure); some of these have a potential conflict of interest. Water resources regulation is local in nature, could be better performed by a more decentralised arrangement and hence the necessity of establishing catchment management agencies. Water user associations enable water users to cooperate and pool their resources (e.g. financial, human resources and expertise) to effectively carry out water-related activities. 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*"[xiii].

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.

7. Programme Recourse Considerations

Please refer to the programme's reconciling performance targets with the budget over the medium term

8. Key risks

No	Outcome	Key Risk	Risk Mitigation
1.	Efficient, effective and development orientated department	ICT may not be in a position to enable the department to effectively achieve its strategies	• MSP to be developed in line with the reviewed departmental 5 year strategic plan • Ensure the provision of funding for the implementation of the MSP
		Non-payment of debts by Water Boards/ Municipalities and other users	• Implementation of the Revenue Enhance Strategy • Water cuts to be implemented on defaulting Municipalities • Participate in the Inter-Ministerial Sub-committee that deals with water • Litigation against debtors
		Leadership instability	• Alignment of the organisational structure to the mandate and the strategy of the department. • Filling of critical posts e.g. CFO, CRO, DG posts. • Vetting of senior managers • Finalisation of disciplinary action against identified employees. • Implementation of the Fraud Policy and Response Plan • Ensure functioning of the Ethics Committee.

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

No	Outcome	Key Risk	Risk Mitigation
			• Review of the governance structures • Capacitation of RM, Internal Audit and Control (i.e. vacancies and the adequate skills).
		Inadequate technical/ professional skills in the engineering field	• Review the scope of the Learning Academy to consider the entire water sector. • Review the ratio of the officials that are coming through the Learning Academy (engineers vs. scientist). • Filling of vacant e.g. engineering positions, Scientist, Water Control Officers and other professionals (5 Year).
		Financial instability (negative bank balance)	• Implementation of the Financial Recovery Plan • Development of the financial funding model (deficit). • Alignment of the budget with the core mandate of the business (flexibility) • Ensure effective cash flow management
2.	Ecological infrastructure protected and restored	Pollution of water resources Non-compliance with drinking water quality standards	• Monitor non-compliant wastewater treatment systems. • Monitor non-compliant water supply systems. • Develop a strategy per Catchment Management Areas • Implement the polluter pay principles
3.	Water demand reduced and water supply increased	Gaps in quality and quantity monitoring data and information	• Upgrade all supporting elements to restore Water Conservation and Water Demand Management, water use and resource monitoring to its required levels
		Inability to guarantee sustainable maintenance of bulk raw water infrastructure	• Develop and implement the Resource Management Plans (RMP), Asset Management Strategy (AMS), Operations and Maintenance Plans (O & M P), Rehabilitation and Refurbishment Plans (R & R) and EPPs. • Ensure there is a dedicated budget for Operations and Maintenance. • Term contracts for operation and maintenance. • Replenish the Pumping Reserve
		The SCM processes does not support the construction/engineering environment	• Implementation of the FIDPM. Regular engagements with the CFO to address SCM challenges on critical projects. • Adherence to turn around times in accordance with the SCM charter (e.g. Bid Spec, Bid Evaluation, DBAC and etc.)
		Projects not completed on time and within budget	• Continuous monitoring of project expenditure through monthly reporting. • Continuous monitoring of the payment of invoices on a continuous basis. • Finance to be represented at monthly project co-ordinated committee and project management committee meetings. • Full Implementation of the FIDPM. • Management and monitoring of VO's and the National Treasury Instruction note on variation orders-submission to National Treasury for approval in line with the threshold. • Establishment of the Project Management Unit • Alignment of APP, DMP and budget and approval • Project Steering Committee to perform oversight role over projects

No	Outcome	Key Risk	Risk Mitigation
			• Monitor adherence to GCC for construction work. • Develop and implement a costing methodology • Centralisation of the processing of invoices
4.	Water and Sanitation services managed effectively	Inadequate planning and project implementation resulting in unreliable water and sanitation services delivery	• Development of completed 5 year reliable water and sanitation service delivery implementation plans.
5.	Enhanced regulation of the water and sanitation sector	Declining water quality in the water resources	• Re-establish routine monitoring of resource water quality. • Re-establish and maintain the Water Management System (WMS) for resource water quality management. • Assess and report on resource water quality information. • Implement the Integrated Water Quality Management Strategy (DWS Report 000/00/21715/5) with action plans to mitigate pollution from all water use sectors. • Implement the Waste Discharge Charge System (WDCS) in all catchments. • Develop, implement and maintain integrated water quality management plans for priority catchments. • Increase the staff capacity
6.	Water redistributed for transformation	• Delays in finalising water use authorisation applications within regulated times frames	• Further review of the delegation of authority for the approval of the water use license. • Increase the staff establishment for the licensing component at head office. • Establishment of a dedicated unit in the regions and to fill vacant positions. • Review the licensing process • Review Regulations on Water authorisations • The end result: WULAs to be finalized within 120 days by year 5
		The stressed water resources in catchments, low stream flow, low groundwater levels and low dam levels (drought)	• Develop a drought response plan for DWS Regional Offices (D: Strategy and Regional Offices). • Rehabilitation and development of borehole infrastructure, gauging weirs and silted dams (DDG NWRI) • Gazetting and implementation of system operating rules (D: WRPS). • Monitor and enforce the implementation of system operating rules by WSAs (CD: CM; D: WRPS and Regional Offices). • Monitoring the groundwater levels, dam levels and stream-flows (Regional offices, D: SGWI and D: WRPS) • Establish and maintain groundwater infrastructure to augment portable water supply (DDG: NWRI and Regional Offices). • Accessing funding for drought relief (Treasury and DWS).

9. Public Entities

Name of public entity	Mandate	Outcomes	Current annual budget (R 000)
Amatola Water	The primary activity of Amatola Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries	485
Bloem Water	The primary activity of Bloem Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	794
Lepelle Water	The primary activity of Lepelle Northern Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	803
Magalies Water	The primary activity of Magalies Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	795
Mhlathuze Water	The primary activity of Mhlathuze Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	735
Overberg Water	The primary activity of Overberg Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	51
Rand Water	The primary activity of Rand Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	17 198
Sedibeng Water	The primary activity of Sedibeng Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	1 821
Umgeni Water	The primary activity of Umgeni Water is to provide water services to other water services institutions within its service area in terms of (Section 29 of the Water Services Act No 108 of 1997)	Provide bulk potable water services to the municipalities and industries.	2 980

Name of public entity	Mandate	Outcomes	Current annual budget (R 000)
TCTA	It was established in 1986 as a state-owned entity specialising in project financing, implementation and liability management.	Development of bulk raw water infrastructure for the expanded supply of water to stimulate South Africa's economic growth, and to simultaneously deal with the historical imbalances relating to access to water.	7 095
Water Research Commission (WRC)	WRC was established in 1971 to generate new knowledge and to promote the country's water research.	The WRC aims to empower communities, inform policy and decision making, develop innovative products and services for economic growth, enhance human capital development and the water and science sectors, promote transformation and redress and to drive sustainable development solutions.	318
Inkomati-Usuthu CMA	Is a water management institution that was established in terms of section 78 of the National Water Act 36 of 1998 and is operational in the Inkomati- Usuthu Water Management Area	Investigate and advise interested persons on water resource management, co-ordinate related activities of water users and WMIs, promote co-ordination of implementation of any applicable development plan, promote community participation in water resource management	130
Breede-Gouritz CMA	Is a water management institution that was established in terms of section 78 of the National Water Act 36 of 1998 and is operational in the Breede-Gouritz Water Management Area	Investigate and advise interested persons on water resource management, co-ordinate related activities of water users and WMIs, promote co-ordination of implementation of any applicable development plan, promote community participation in water resource management	67

10. 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	2020/21 project allocation in R'000
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)	Greater Sekhukhune DM, Limpopo	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	RID	13 114 000	0
2.	Mokolo and Crocodile water Augmentation Project (MCWAP) Phases 2A	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	EIA	11 984 600	263 750
3.	uMkhomazi Water Project	Harry Gwala DM, KwaZulu-Natal	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	-	EIA	23 000 000	140 000
4.	Foxwood Dam	Amathole DM, Eastern Cape	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	-	RID	3 082 000	0
5.	Lusikisiki regional water supply scheme: Zalu Dam on the Xura River	O R Tambo DM, Eastern Cape	Bulk Water and Wastewater Infrastructure	Development of bulk water and wastewater infrastructure to enable the connection of municipal reticulation infrastructure	SIP 3	RID	2 023 000	0
6.	Acid mine drainage	National	Long term infrastructure	Construction of water treatment works	-	Feasibility	-	300 000
7.	Mzimkulu River: Ncwabeni off-channel storage	Ugu DM , KwaZulu-Natal	Dam, Water Treatment Plant, Pipelines, Reservoirs	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)	Greater Sekhukhune DM, Limpopo	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	Mopani DM, Limpopo	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	0
10.	Mzimvubu water project	Alfred Nzo DM, Eastern Cape	Dam and water supply	Development of a conjunctive scheme comprising of 2 multi-purpose dams	SIP 11	Design	20 000 000	135 000

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
				and associated bulk water distribution infrastructure for domestic and irrigation water supply as well as hydro-generation				
11.	Dam safety rehabilitation programme	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]	Greater Sekhukhune DM, Limpopo	Pumping stations, pipelines, balancing dams, operational infrastructure and appurtenant structures	Construction of second pipeline between Steelpoort weir to and Mooihoek	SIP 1	Project preparation	2 000 000	160 203
13.	Olifants-Doorn River Water resources project: Raising of Clanwilliam Dam	Western Cape	Dam	Upgrading of existing dam to stabilise distortion and augmentation of agricultural water supply to meet increasing demands	SIP 5	Project preparation	3 300 000	254 076
14.	Olifants River water resources development project (phase 2C)	Greater Sekhukhune DM, Limpopo	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 (phas e 2A)	Greater Sekhukhune DM, Limpopo	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	3 397 689	0
Infrastructure transfers for water service projects (i.e. Schedule 5B)								
16.	OR Tambo Mthatha King Sabata Dalindyebo district municipality bulk water supply	OR Tambo DM, Eastern Cape	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	OR Tambo DM, Eastern Cape	Bulk sewer	Augmentation of existing bulk sewer scheme	SIP 6	Construction		0
17.	Vaal Gamagara scheme phase 1 of 2	Pixley ka Seme DM, Northern Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 11	Construction	18 000 000	250 000
18.	Polokwane wastewater treatment works phase 1	Capricorn DM, Limpopo	Bulk sewer	Upgrade of existing wastewater treatment works	SIP 18	Construction	1 043 836	361 157
19.	Umshwathi bulk water supply scheme (phase 3)	uMgungundlovu DM, KwaZulu-Natal	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)	King Cetshwayo DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	1 228 190	27 409
21.	Ngcebo BWS	iLembe DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	1 420 678	Approved funding for this project has been exhausted. WSA was to complete the project using co-funding
22.	Driefontein: Spioenkop to Ladysmith bulk water supply	uThukela DM, KwaZulu-Natal	Bulk Water Supply	Construction of bulk water scheme	SIP 18	Planning/IRS	1 479 397	0

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
Departmental infrastructure water service projects (i.e. Schedule 6B)								
23.	Magalies water supply to Waterberg (Klipvoor)	Waterberg DM, Limpopo	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	Sedibeng DM, Gauteng	Waste Water Services	Construction of new wastewater treatment works (i.e. Rietspruit and Leeuwkuil)	SIP 18	Construction	3 000 000	100 000
25.	Mogalakwena bulk water supply phase 2	Waterberg DM, Limpopo	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	Sedibeng DM, Gauteng	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	1 123 584	263 000
27.	Giyani Water Services	Mopani DM, Limpopo	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	Nkangala DM, Mpumalanga	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	Rand West DM, Gauteng	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Completed	TBC[xiv]	0
	West Rand Regional Bulk Scheme: Zuurbekom	Rand West DM, Gauteng	Waste Water Services	Construction of new wastewater treatment works	SIP 18	Design		7 747
	West Rand Regional Bulk Scheme: Syferfontein	Rand West DM, Gauteng	Bulk water and sanitation		SIP 18	Design		
	West Rand Regional Bulk Scheme: Mohlakeng / Westonaria pump station	Rand West DM, Gauteng	Waste Water Services		SIP 18	Construction		50 000
30.	Ebenezer & Olifantspoort Water Schemes	Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Parked	TBC	0
B. 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								
31.	Lesotho-Botswana Pipeline (Tax Portion)	Lesotho to South Africa to Botswana	-	Transboundary pipeline and associated works conveying water from Lesotho to both South Africa and Botswana	-	Feasibility	6 581	1 924
32.	Lower Orange River Project (Vioolsdrift / Noordoewer Dam)	Northern Cape (Border of SA and Namibia)	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
33.	Crocodile East Water Project (Mbombela)	Mpumalanga (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
34.	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
35.	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
36.	Clanwilliam Bulk Water Conveyance Infrastructure	Western Cape (West Coast DM)	New and upgraded existing conveyance	Bulk conveyance infrastructure from the raised Clanwlliam Dam to establish	-	Feasibility	12 308	7 600

[xiv] 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	2020/21 project allocation in R'000
	Project (Phase 1)		infrastructure	historically disadvanted (resource-poor) farmers				
37.	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	700 000	National Treasury funding approval outstanding
38.	Olifants River water resources development project (phases 2E) Bulk Distribution Scheme	Greater Sekhukhune DM, Limpopo	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	556 400	0
39.	Thukela Goedertrouw transfer scheme	King Cetshwayo DM, KwaZulu-Natal	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
40.	Groot Letaba River water development project: Raising of Tzaneen Dam	Mopani DM, Limpopo	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	158 930
41.	Mdloti River development project: Raising of Hazelmere Dam	iLembe DM, KwaZulu-Natal	Dam (radial crest gates)	Augmentation of water supply to Umgeni Water for treatment, for KwaZulu-Natal North coast	SIP 2	Construction	620 000	110 000
Infrastructure transfers for water service projects (i.e. Schedule 5B)								
42.	Msukaligwa regional water supply scheme	Gert Sibande DM, Mpumalanga	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Design	407 000	75 000
43.	Taung/ Naledi bulk water supply phase 2E	Dr Ruth Mompati DM, North West	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 4	Construction	733 754	90 728
44.	Namakwa bulk water supply phase 2	Namakwa, Northern Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	648 312	119 306 943
45.	Pilanesberg bulk water supply phase 3	Bojanala DM, North West	Bulk Water Supply	Upgrade of existing bulk water scheme and construction of new bulk water scheme.	SIP 4	Planning	796 631	0
46.	Amatola Water: Refurbishment of 6 existing plants and downstream infrastructure	Amathole DM, Eastern Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 6	Construction	500 000	0
47.	Greater Mamusa bulk water supply phase 2 (Bloemhof WTW) & 3 (pipeline to Schweizer Reneke)	Dr Ruth Mompati DM, North West	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 4	Construction	444 288	80 000
48.	Chris Hani district municipality: Ncora bulk water supply (cluster 4)	Chris Hani DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 6	Construction	421 727	114 662
49.	Chris Hani district municipality: Ngcobo bulk water supply (cluster 6)	Chris Hani DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme and spring protection	SIP 6	Construction	321 727	49 629
50.	Xonxa BWS	Chris Hani DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	443 998	112 094
51.	Nooitgedacht Coega Low Level scheme	Nelson Mandela Bay Metro, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	390 287	0
52.	Greytown BWS	Mzinyathi DM,	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	950 000	4 738

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
		KwaZulu-Natal		and upgrade of existing bulk water scheme				
53.	Middledrift BWS	King Cetshwayo DM, KwaZulu-Natal	Bulk Water Supply	Construction of new water treatment works	SIP 6	Construction	340 000	0
54.	Greater Bulwer	Harry Gwala DM, KwaZulu-Natal	Bulk Water Supply	Upgrade of existing water treatment works	SIP 6	Construction	343 337	9 026
55.	Nongoma bulk water supply	Zululand DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	529 134	0 RBIG commitment exhausted
56.	Greater Mpofana bulk water supply	uMgungundlovu DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	469 293	239 206 057
57.	Maphumulo BWS	iLembe DM, KwaZulu-Natal	Bulk Water Supply	Construction of bulk water scheme	SIP 18	Construction	294 621	0
58.	Ngwathe bulk water supply phase 3 of 3	Fezile Dabi DM, Free State	Bulk Water Supply	Development of borehole to augment existing bulk water scheme	SIP 18	Construction	250 000	47 500
59.	Balf/ Siyathemba bulk water supply (phase 2 of 4)	Gert Sibande DM, Mpumalanga	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	590 709	0
60.	Empuluzi and Methula bulk water scheme (phases 1 of 3)	Gert Sibande DM, Mpumalanga	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	291 021	170 407
61.	Kagisano Molopo bulk water supply	Dr Ruth Mompati DM, North West	Bulk Water Supply	Upgrade of existing water treatment works and new bulk water scheme	SIP 4	Designs	350 000	0
62.	Polokwane bulk water supply	Capricorn DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 6	Construction	600 000	0
63.	Mantsopa bulk water supply phase 2 of 2	Thabo Mofutsanyana DM, Free State	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 18	Construction	250 000	10 000
64.	Driefontein Indaka bulk water supply	uThukela DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	378 529	39 399
65.	Stellenbosch wastewater treatment works	Cape Winelands DM, Western Cape	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Completed DWS commitment is	304 256	Refer to MIG
66.	Mhlabatshane bulk water supply	uGu DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Completed DWS commitment	483 482	Refer to MIG
67.	Dukuduku resettlement bulk water supply	uMkhanyakude DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Completed DWS commitment	266 382	Refer to MIG
68.	Stephen Dlamini Dam	Harry Gwala DM, KwaZulu-Natal	Dam	Construction of new dam	-	Project preparation	650 000	0
Departmental infrastructure water service projects (i.e. Schedule 6B)								
69.	Matoks bulk water supply	Capricorn DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	880 000	0
70.	Western Highveld regional bulk water supply	Nkangala DM, Mpumalanga	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Planning	486 000	0
	Western Highveld bulk water	Nkangala DM,	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	IRS	643 000	10 000

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
	supply scheme (Rust de Winter)	Mpumalanga						
71.	Lebalelo Central and North regional water supply	Sekhukhune DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	600 000	0
72.	Nzhelele Valley bulk water supply	Vhembe DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	600 000	0
73.	Glen Alpine bulk water supply	Capricorn DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 1	Feasibility	345 000	0
74.	Lephalale/ Eskom: Bulk water augmentation	Waterberg DM, Limpopo	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 6	Feasibility	330 000	0
75.	Bitou cross border bulk water supply	Eden DM, Western Cape	Waste Water Services	Construction of new bulk sewage conveyance pipelines	SIP 18	Feasibility	250 000	0
76.	Sundwana water supply	Amathole DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	591 000	0
77.	Mpumalanga Lowveld feasibility studies	Mpumalanga	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Feasibility	800 000	0
78.	Emalahleni bulk water supply	Nkangala DM, Mpumalanga	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 18	Feasibility	335 605	0
79.	Ohrigstad bulk water supply	Greater Sekhukhune DM, Limpopo	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Feasibility	450 000	0
80.	Aganang bulk water supply	Capricorn DM, Limpopo	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Design	350 000	0
81.	West Coast desalination plant	West Coast DM, Western Cape	Bulk Water Supply	Construction of new desalination plant	SIP 18	Design	563 212	20 000
82.	Butterworth water transfer scheme	Chris Hani DM, Eastern Cape	Bulk Water Supply	Construction of a pipeline and pump station	SIP 18	Construction	400 000	0
83.	Matjhabeng bulk sewer (Welkom)	Lejweleputswa DM, Free State	Waste Water Services	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 18	Construction	420 000	0
84.	Ndlambe bulk water supply phase 1	Sarah Baartman DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 18	Construction	879 000	60 000
85.	Xhora East bulk water supply	Amathole DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	620 227	56 366
86.	Meyerton wastewater treatment works	Sedibeng DM, Gauteng	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	257 462	105 000
87.	Madibeng bulk water supply phase 2	Bojanala Platinum DM, North West	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 4	Construction	446 585	120 000
88.	Nketoana bulk water supply Phase 1 & 2	Thabo Mofutsanyana DM, Free State	Bulk Water Supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	SIP 18	Construction	304 000	80 000
89.	Potchefstroom (Tlokwe) water treatment works upgrade	Dr Kenneth Kaunda, North West	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 4	Construction	400 000	20 375
90.	Sinthumule Kutama bulk water augmentation phase 3 of 3 (including Luvuvhu GWS)	Vhembe DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	751 603	115 332
91.	Moutse bulk water supply phase1-15	Greater Sekhukhune DM, Limpopo	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 6	Construction	850 000	75 000
92.	Moretele South bulk water supply phase 2 (pipeline)	Bojanala Platinum DM, North West	Bulk Water Supply	Construction of new bulk water scheme	SIP 4	Construction	640 617	35 000

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
93.	Ngwathe bulk sewer phase 2 of 2 (Parys)	Fezile Dabi DM, Free State	Waste Water Services	Upgrade of existing waste water treatment works	SIP 18	Construction	300 000	20 000
94.	Dihlabeng bulk water supply (phase 3 of 3)	Thabo Mofutsanyana DM, Free State	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	255 000	30 000
95.	Giyani bulk water supply drought relief (Nandoni Nsami)	Mopani DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	589 946	114 234
96.	Mametja Sekororo bulk water supply phase 1 of 2	Capricorn DM, Limpopo	Waste Water Services	Construction of new bulk water scheme	SIP 18	Construction	310 718	50 000
97.	Tokologo regional water supply (phase 2 of 2)	Lejweleputswa DM, Free State	Bulk Water Supply	Upgrade of bulk water scheme	SIP 18	Construction	320 000	100 000
98.	Masilonyana bulk water supply phase 2 of 2	Lejweleputswa DM, Free State	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	304 941	153 064
99.	Mafikeng South bulk water supply phase 2 & 3 (upgrade of water treatment works)	Ngaka Modiri Molema DM, North West	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	286 648	43 000
100.	Welbedacht pipeline (Mangaung)	Mangaung Metro, Free State	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	500 000	0
101.	Mooihoek/ Tubatse bulk water supply	Greater Sekhukhune DM, Limpopo	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 1	Construction	714 000	30 000
102.	Nebo bulk water supply	Greater Sekhukhune DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	978 400	60 000
103.	Ratlou BWS phase 2 (Madibogo)	Ngaka Modiri Molema DM, North West	Bulk Water Supply	Construction of new bulk water scheme	SIP 4	Construction	271 000	30 000
104.	Driekoppies bulk water supply upgrades phase 1 of 4	Ehlanzeni DM, Mpumalanga	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	397 646	100 000
105.	Ngqamakwe bulk water supply	Amathole DM, Eastern Cape	Bulk Water Supply	Upgrade of existing water treatment works	SIP 4	Construction	370 000	20 000
106.	Kannaland Dam relocation	Eden DM, Western Cape	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 18	Construction	300 000	10 000
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)								
107.	Lady Grey bulk water supply	Joe Gqabi DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	IRS	128 533	0
108.	Sterkspruit bulk water supply	Joe Gqabi DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	IRS	50 000	0
109.	Coffee bay water treatment works	O R Tambo DM, Eastern Cape	Water Services	Upgrade of existing water treatment works	SIP 18	Feasibility	130 000	0
110.	Danielskuil wastewater treatment works	ZF Mgcawu DM, Northern Cape	Waste Water Services	Upgrade of existing water treatment works	SIP 18	Feasibility	12 644	12 644
111.	Clanwilliam water treatment works	West Coast DM, Western Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	IRS	31 349	19 471
112.	Eerstehoek/ Ekulindeni bulk water supply	Gert Sibande DM, Mpumalanga	Bulk Water Supply	Construction of new bulk water supply and upgrade of existing water treatment works	SIP 18	Design	115 122	25 000
113.	Mandlakazi bulk water supply phase 5	Zululand DM, KwaZulu-Natal	Bulk Water Supply	Construction of new bulk water scheme to augment existing bulk water scheme	SIP 6	Construction	94 000	100 000
114.	Chris Hani district municipality bulk water supply: Quthubeni (cluster 9) phase 1	Chris Hani DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	255 336	64 814 This is a large project, kindly

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
								remove it from here
115.	Setsoto bulk water supply phase 3 of 4	Thabo Mofutsanyana DM, Free State	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	147 644	132 108
116.	Rouxville/ Smithfield/ Zastron bulk water supply (Mohokare)	Xhariep DM, Free State	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	180 258	40 000
117.	Lushushwane bulk water scheme phase 2 & 3	Gert Sibande DM, Mpumalanga	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	Gert Sibande DM, Mpumalanga	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	85 455	45 000
119.	Bushbuckridge water services: Cunningmore to Newington BWS	Ehlanzeni DM, Mpumalanga	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	190 000	23 000
120.	Amsterdam bulk water supply (Sheepmore)	Gert Sibande DM, Mpumalanga	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	Pixley ka Seme DM, Northern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	94 700	67 551
122.	Hantam desalination plant (Brandvlei)	Namakwa DM, Northern Cape	Bulk Water Supply	Construction of new desalination plant	SIP 18	Construction	66 569	31 100
123.	Loeriesfontein bulk water supply phase 1	Namakwa DM, Northern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	95 442	0
124.	Ritchie bulk water scheme phase 2	Frances Baard DM, Northern Cape	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	Pixley ka Seme DM, Northern Cape	Waste Water Services	Upgrade of existing waste water treatment works	SIP 18	Construction	30 600	0
126.	Kathu bulk water supply	John Taolo Gaetsewe DM, Northern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	90 000	0
127.	Citrusdal wastewater treatment works phase 2 of 2	West Coast DM, Western Cape	Waste Water Services	Construction of new wastewater treatment works	SIP 4	Construction	52 667	0
128.	Tulbagh bulk water supply (Witzenberg)	Cape Winelands DM, Western Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	76 807	19 471
129.	Hofmeyer groundwater	Chris Hani DM, Eastern Cape	Bulk Water Supply	Development of borehole to augment existing bulk water scheme	SIP 6	Construction	64 000	0
130.	Middelburg groundwater supply	Chris Hani DM, Eastern Cape	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	Sarah Baartman DM, Eastern Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Design/ Tender	50 557	10 000
132.	Kirkwood water treatment works	Sarah Baartman DM, Eastern Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Design/ Tender	22 186	10 000
133.	Misgund bulk water supply	Sarah Baartman DM, Eastern Cape	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	Pixley ka Seme	Bulk Water Supply	Upgrade of existing groundwater water	SIP 18	Feasibility	40 000	0

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
	supply	DM, Northern Cape		scheme				
135.	Marydale bulk water supply	Pixley ka Seme DM, Northern Cape	Bulk Water Supply	Upgrade of existing water treatment works and construction of new bulk water scheme	SIP 18	Completed	11 200	0
136.	Kakamas wastewater treatment works	Siyanda DM, Northern Cape	Waste Water Services	Construction of new wastewater treatment works	SIP 18	IRS	50 000	0
137.	Nahoon Dam (Buffalo City municipality)	Buffalo City Metro, Eastern Cape	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	Central Karoo DM, Western Cape	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	Alfred Nzo DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Feasibility	245 000	0
140.	Kinira regional bulk water supply	Alfred Nzo DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	34 500	0
141.	Capricorn master plan	Capricorn DM, Limpopo	Bulk Water Supply	Development of master plan	SIP 18	Master plan	3 100	0
142.	Sekhukhune master plan	Greater Sekhukhune DM, Limpopo	Bulk Water Supply	Development of master plan	SIP 18	Master plan	3 100	0
143.	Bushbuckridge master plan	Ehlanzeni DM, Mpumalanga	Bulk Water Supply	Development of master plan	SIP 18	Master plan	3 500	0
144.	Belmont wastewater treatment works	Sarah Baartman DM, Eastern Cape	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Design	142 000	0
145.	Mkemane regional bulk water supply	Alfred Nzo DM, Eastern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Feasibility	52 000	0
146.	Trompsburg bulk sewer	Xhariep DM, Free State	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Feasibility	76 000	0
147.	Upgrading of Deneysville wastewater treatment works	Fezile Dabi DM, Free State	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	150 000	30 000
148.	Masilonyana bulk sewer (Brandfort and Winburg)	Lejweleputswa DM, Free State	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Feasibility	70 000	0
149.	Reitz upgrading wastewater treatment plant	Thabo Mofutsanyana DM, Free State	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Feasibility	55 000	0
150.	Mantsopa bulk sewer (Ladybrand)	Thabo Mofutsanyana DM, Free State	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	Greater Sekhukhune DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Design	150 192	0
152.	Carolina Silobela bulk water scheme	Gert Sibande DM, Mpumalanga	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Feasibility	200 000	0
153.	Provincial high catalytic projects (Mutash Hub)	Vhembe DM, Limpopo	Bulk Water Supply	Construction of new bulk water scheme for various purposes	SIP 6	Feasibility	200 000	0
154.	Greater Letaba Water Augmentation Project	Mopani DM, Limpopo	Bulk Water Supply	Refurbishment of Nkambako WTW and Babanana[xv] pipeline	SIP 18	Construction	80 000	24 612

[xv] Also spelt as Bambanana in the ENE

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
	distribution: Mopani Works							
155.	Upington / Kameelmond wastewater treatment works	ZF Mgcawu DM, Northern Cape	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	Sarah Baartman DM, Eastern Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	50 798	7 000
157.	Sundays River bulk water supply	Sarah Baartman DM, Eastern Cape	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	Alfred Nzo DM, Eastern Cape	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	Thabo Mofutsanyana DM, Free State	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	Thabo Mofutsanyana DM, Free State	Bulk Water Supply	Construction of new bulk water scheme	SIP 3	Construction	240 000	66 000
161.	Port Nolloth bulk water supply	Namakwa DM, Northern Cape	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	44 057	21 782
162.	De Aar bulk water supply (De Aar Borehole Development)	Pixley ka Seme DM, Northern Cape	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)	Frances Baard DM, Northern Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	43 850	0
164.	Warrenton water treatment works	Frances Baard DM, Northern Cape	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	Fezile Dabi DM, Free State	Bulk Water Supply	Construction of new bulk water scheme	SIP 18	Construction	126 000	0
166.	Vanderkloof/ Renosterberg bulk water supply phase 1	Pixley ka Seme DM, Northern Cape	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	Ehlanzeni DM, Mpumalanga	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	108 656	60 000
168.	Oudtshoorn groundwater supply	Eden DM, West Cape	Waste Water Services	Provision of groundwater development	SIP 18	IRS / Construction	190 000	0
169.	Vanrhynsdorp raw water supply	West Coast DM, Western Cape	Bulk Water Supply	Augmentation of existing bulk water scheme	SIP 18	IRS / Design	83 239	0
170.	Klawer bulk water supply	West Coast DM, Western Cape	Bulk Water Supply	Augmentation of existing bulk water scheme from boreholes	SIP 18	IRS / Design	25 669	5 000
171.	Ladismith wastewater treatment works	Eden DM, Western Cape	Bulk Water Supply	Upgrade of existing wastewater treatment works	SIP 18	Construction	77 458	30 000
172.	James Kleynhans bulk water supply	Sarah Baartman DM, Eastern Cape	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	Nkangala DM, Mpumalanga	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	75 676	0
174.	Makana bulk sewer	Cacadu DM, Eastern Cape	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	15 000	10 000
175.	Mayfield wastewater treatment works	Cacadu DM, Eastern Cape	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	72 473	10 000
176.	Mount Ayliff bulk peri-urban	Alfred Nzo DM,	Bulk Water Supply	Construction of new bulk water scheme	SIP 6	Construction	187 358	75 000

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
	water supply	Eastern Cape						
177.	Rothdene pump station and raising main	Sedibeng DM, Gauteng	Waste Water Services	Upgrade of existing wastewater treatment works	SIP 18	Construction	37 442	80 000
178.	Ladismith wastewater treatment works	Eden DM, Western Cape	Bulk Water Supply	Upgrade of existing wastewater treatment works	SIP 18	Construction	77 458	30 000
179.	Douglas water treatment works upgrading	Frances Baard DM, Northern Cape	Bulk Water Supply	Upgrade of existing water treatment works	SIP 18	Construction	14 750	0
180.	Clanwilliam/ Lamberts Bay regional water supply (Cederberg desalination plant)	West Coast DM, Western Cape	Bulk Water Supply	Upgrade of existing bulk water scheme	SIP 18	Construction	61 500	36 586
181.	Ficksburg Bucket Eradication Programme	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains and pump station	SIP 18	Construction	60 641	26 083
182.	Ficksburg Bulk Sanitation	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains and pump station	SIP 18	Procurement	60 000	0
183.	Reitz Bucket Eradication Programme	Thabo Mofutsanyana DM, Free State	Bulk Infrastructure	Construction of sewer main	SIP 18	Construction	40 656	40 656
184.	Reitz Bulk Sanitation	Thabo Mofutsanyana DM, Free State	Bulk Reticulation	Construction of sewer mains and pump station	SIP 18	Procurement	13 000	0
185.	Lindley Bucket Eradication Programme	Thabo Mofutsanyane DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	82 429	0
186.	Clocolan Bucket Eradication Programme	Thabo Mofutsanyana DM, Free State	Bulk Bucket	Construction of sewer main and pump station	SIP 18	Construction	70 000	0
187.	Clocolan Bucket Eradication Programme	Thabo Mofutsanyana DM, Free State	Bulk Infrastructure	Construction ofsewer mains,pump station	SIP 18	Construction	53 216	50 280
188.	Clocolan Bulk Sanitation	Thabo Mofutsanyana DM, Free State	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	60 000	0
189.	Senekal Bucket Eradication Programme	Thabo Mofutsanyana DM, Free State	Bulk Infrastructure	Construction ofsewer mains,pump station an d pack age plant	SIP 18	Construction	79 370	29 303
190.	Senekal Bucket Sanitation	Thabo Mofutsanyana DM, Free State	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	40 000	0
191.	Senekal Bucket Sanitation	Thabo Mofutsanyana DM, Free State	Bulk Bucket	Construction ofsewer mains,pump station	SIP 18	Procurement	15 000	0
192.	Senekal Bucket Sanitation	Thabo Mofutsanyana DM, Free State	Bulk Infrastructure	Construction ofsewer package plant	SIP 18	Procurement	35 000	0
193.	Arlington Bulk Sanitation	Thabo Mofutsanyane DM	Bulk Infrastructure	Construction of sewer main sand package plant	SIP 18	Construction	74 084	74 084
194.	Arlington Bulk Sanitation	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	50 000	0
195.	Arlington Bulk Sanitation	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer package plant	SIP 18	Procurement	35 000	0

Project name		Location	Output	Project description	SIP category	Current project stage	Total project cost in R'000	2020/21 project allocation in R'000
196.	Petrus Steyn Bucket Eradiacation Programme	Thabo Mofutsanyane DM	Bulk Infrastructure	Construction of sewer mains	SIP 18	Construction	12 501	12 501
197.	Petrus Steyn Bulk Sanitation	Thabo Mofutsanyane DM	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	28 000	0
198.	Hertzogville Bucket Eradiacation Programme	Lejweleputswa DM, Free State	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	67 079	0
199.	Hertzogville Bulk Sanitation	Lejweleputswa DM, Free State	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	10 000	0
200.	Dealesville Bucket Eradication Programme	Lejweleputswa DM, Free State	Bulk Infrastructure	Construction of sewer main, pump station ,grey water recycling package plant	SIP 18	Construction	20 797	20797
201.	Dealesville Bulk Sanitation	Lejweleputswa DM, Free State	Bulk Bucket	Construction of sewer mains	SIP 18	Procurement	15 000	0
202.	Dealesville Bulk Sanitation	Lejweleputswa DM, Free State	Bulk Bucket	Construction of sewer pumpstation	SIP 18	Procurement	15 000	0
203.	Dealesville Bulk Sanitation	Lejweleputswa DM, Free State	Bulk Bucket	Construction of sewer package plant	SIP 18	Procurement	35 000	0
204.	Heilbron Bucket Eradiaction Programme	Fezile Dabi DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	15 828	0
205.	Griekwastad Bucket Eradiaction Programme	Prixley Ka Seme DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	50 773	0
206.	Victoria West Bucket Eradiaction Programme	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	Siyancuma DM, Northern Cape	Bulk Infrastructure	Pumpstation,Outfall sewer and inlet works in Oxidation Ponds	SIP18	Construction	56 728	34 262
208.	Campbell and Griewkastad Bucket eradication Programme	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	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	42 808	0
210.	Postdene Bucket eradication Programme	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	39 254	0
211.	Louisvale Bucket eradication Programme	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	93 248	0
212.	Louisvale Bucket Sanitation	Siyanda DM	Bulk Bucket	Construction of sewer package plant	SIP 18	Procurement	10 000	0
213.	Rosedale Bucket eradication Programme	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	151 420	0
214.	Fraser Moleketi Bucket eradication Programme	Francis Baard DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	10 000	0
215.	Motswedimosa Bucket eradication Programme	Siyanda DM	Bulk Bucket	Construction of water and sewer reticulation	SIP 18	Construction	11 000	0
216.	Makana Outfalll Sewer	Cacadu DM	Bulk Bucket	Construction of a 3.5 km outfall sewer	SIP 18	Procurement	15 000	0
217.	Mount Ayliff Bulk Water Supply	Alfred Nzo DM	Bulk Water Supply	Construction of new bulk water scheme to augument existing bulk water scheme	SIP 6	Construction	208 752	75 000

11. Public Private Partnerships

PPP	Purpose	Outputs	Current Value of Agreement	End Date of Agreement
NOT APPLICABLE				

PART D: Technical Indicator Descriptions (TID)

Programme 1: Administration

PPI No 1.1.1: Percentage of targeted procurement budget spent on qualifying small enterprises (QSE)

Indicator Title	Percentage of targeted procurement from 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: $\gamma\% = {}^{x}/_{y} \times 100$
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)	• 50% for women • 30% for youth • 2% 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 1.2.1: Percentage of targeted procurement budget spent on exempted micro enterprises (EME)

Indicator Title	Percentage of targeted procurement from 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: $\gamma\% = {}^{x}/_{y} \times 100$
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)	• 50% for women • 30% for youth • 2% 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	Chief Financial Officer

PPI No 1.3.1: 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 assess the achievement of the following broad strategies, funding and budget management, expenditure control, financial governance and accountability, alignment of strategic intent, policy, legislation and institutional matters
Source of data	Reports on the implementation progress against the Financial Recovery Plan
Method of Calculation/ Assessment	Monthly and quarterly reports, against the Financial Recovery Plan
Means of verification	Reports
Assumptions	Approved budget, DMP and APP
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	100%
Indicator responsibility	Chief Financial Officer

PPI No 1.3.2: 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: $$\gamma\% = {}^{x}/_{y} \times 100$$
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	Chief Financial Officer

PPI No 1.3.3.: 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	Trade Debtors – Impairment Sales (Billing) x 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 (Year-to-Date)
Reporting cycle	Quarterly
Desired performance	Reduce the number of debtor days to 120 days
Indicator responsibility	Chief Financial Officer

PPI No 1.4.1: Percentage implementation of 2020/21 annual International Relations programme

Indicator Title	Percentage implementation of 2020/21 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 2020/21 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 2020/21 International Relations programme is 34 and that constitute 75% $\gamma\% = x/y \times 100$
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 2020/21 annual International Relations programme
Indicator responsibility	Deputy Director-General: International Water Support

PPI No 1.5.1: Percentage implementation of the 2020/2021 Annual Communications, Stakeholder Management, and Partnership Programme

Indicator Title	Percentage implementation of the 2020/2021 Annual Communications, Stakeholder Management, and Partnership Programme
Definition	This measures the extent in which the department assesses the implementation of its approved Annual Communications, Stakeholder Management and Partnership programme.
Source of data	An annual Communications, Stakeholder Management and Partnership programme will be developed with reports on its implementation. The document verification includes: • The approved Annual Communications, Stakeholder Management and Partnership programme • Quarterly reports on the implementation of the Annual Communications, Stakeholder Management and Partnership Programme
Method of Calculation/ Assessment	If the number of implemented Communications, Stakeholder Management and Partnership activities (i.e. media relations, content development, public relations, branding, awareness campaigns, events and conferencing, stakeholder management engagements and partnership activities) is given the value "x" and the total number of Communications, Stakeholder Management and Partnership activities in the approved communications programme (i.e. media relations, content development, public relations, branding, awareness campaigns, events and conferencing, stakeholder management engagements and partnership activities) is given the value "y" the formula is as follows: $y\% = x/y \times 100$
Means of verification	The document verification includes: • The approved Annual Communications, Stakeholder Management and Partnership programme • Quarterly reports on the implementation of the Annual Communications, Stakeholder Management and Partnership 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 stakeholder engagement will improve the relationship between government/the department and stakeholders (communities, business, other government departments) • The assumption is that social facilitation will ensure that communities at grassroots levels are well informed and empowered to participate in government departmental programmes and projects. • The assumption is that when engaging affected councillors and local government around departmental projects, they have the best interest of the community at heart. • 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. • The assumption is that partnerships will be sustained to the benefit of our communities and all stakeholders.
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Cumulative (Year-End)
Reporting cycle	Quarterly,
Desired performance	96% implementation of the Annual Communications, Stakeholder Management and Partnership programme
Indicator responsibility	Deputy Director-General: Corporate Services

PPI No 1.6.1: 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: $\gamma\% = {}^{x}/_{y} \times 100$
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	Achieve and maintain a minimum vacancy rate of ≤ 10% in the funded engineer and scientist positions
Indicator responsibility	Deputy Director-General: Corporate Services

PPI No 1.6.2: Number of coaching and mentorship programme for levels 14, 15 and 16

Indicator Title	Number of coaching and mentorship programme for levels 14, 15 and 16
Definition	This measures the extent in which the department implements coaching and mentorship intervention to nurture management and leadership capabilities at Senior Management level
Source of data	Quarterly training report
Method of calculation/Assessment	Nominal count of interventions
Means of verification	Coaching and mentorship programme, attendance register and reports
Assumption	Budget allocation to fund the intervention, availability of senior managers and agility of SCM process
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	1 coaching and mentorship programme for levels 14, 15 and 16
Indicator responsibility	Deputy Director-General: Corporate Services

PPI No 1.6.3: 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	Deputy Director-General: Corporate Services

PPI No 1.6.4: 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	Stastical 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	Deputy Director-General: Corporate Services

PPI No: 1.6.5 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 2020 • Three-year and annual internal audit plan for the Water Trading Entity approved by June 2020 • Quarterly progress reports • Internal Audit Charter approved by June 2020 • Internal IA assessment report approved by June 2020 • 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 2021 (Main Account) • Compliance and Performance Audit reports for planned audits completed by 31 March 2021 (Water Trading Entity) • reports for planned IT audit completed by 31 March 2021 (Main Account) • reports for planned IT audit completed by 31 March 2021 (Water Trading Entity) • Signed Appointment letters for the Audit Committee Members by 31 September 2020 • Audit Committee Charter approved by June 2020 • Audit Committee Year Planner approved by June 2020 • 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: $\boldsymbol{y}\% = {}^{\boldsymbol{x}}/_{\boldsymbol{y}} \times \mathbf{100}$
Means of verification	91 Reports will be produced constituting 100% 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	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	100% compliance **with approved audit plan**
Indicator responsibility	Director General

PPI No: 1.6.6: 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 report s 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: $$\gamma\% = {}^{x}/_{y} \times 100$$
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	Director General

Programme 2: Water Planning and Information 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:
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	(0) Draft report for Water Resource Classes (Thukela)
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 2.2.1: Number of rivers systems 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	59 river systems in which the River Eco-status Monitoring Programme is implemented
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 3.1.1 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 • 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	0
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 3.2.1: National Water and Sanitation Master Plan (NWSMP) updated

Indicator Title	National Water and Sanitation Master Plan (NWSMP) updated
Definition	This measures the process of developing and adopting National Water and Sanitation Master Plan (NWSMP) and the implementation of the Operation Phakisa.
Source of data	The data source will include but not limited to: • National Water Resource Infrastructure strategy • District municipalities (DMs) water and sanitation services master plans • Water Services Development Plans
Method of Calculation/ Assessment	The process verification includes: • Prepare a National Water and Sanitation Master Plan Operation Phakisa Lab • Host a National Water and Sanitation Master Plan Operation Phakisa Lab • Formulate the National Water and Sanitation Master Plan Operation Phakisa Implementation Plan • Design structures to implement the National Water and Sanitation Master Plan Operation Phakisa 3 foot plans • Update the developed National Water and Sanitation Master Plan
Means of verification	National Water and Sanitation Master Plan and Post Operation Phakisa Report
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	Annual update of the Water and Sanitation Master Plan (NWSMP)
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI: 3.2.2: 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	Finalised Reconciliation Strategies in Mbombela WSS and Richrads Bay 2 • Mbombela WSS • Richards Bay WSS
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

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PPI: 3.2.3: 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 6 systems namely; Vaal, Algoa, Umngeni, Polokwane, Crocodile West and Amathole 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	The final number of systems with AOR adding up to 6, 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
Means of verification	The portfolio of evidence required to verify the validity of data Report on 6 bulk water schemes with 2018 AOR
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	6 bulk water schemes with 2018 AOR for equitable water supply
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI: 3.2.4: 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 risk and vulnerability of the Orange, Limpopo, Olifants and Inkomati-Usuthu WMAs to climate change related impacts, and develop adaptation options as appropriate.
Source of data	Regionally downscaled climate model projections, relevant previous studies and other baseline information. Other sources of information include, but not limited: Framework and Methodology for undertaking risk and vulnerability assessment in water management areas of South Africa, Reconciliation Strategies for the Orange, Limpopo, Olifants and Inkomati-Usuthu, Long-Term Adaptation Scenarios Report, Regional Offices of Water and Sanitation, Provincial Department especially Agriculture and Environmental Affairs, Forum meetings, and site visits to identify existing conditions.
Method of Calculation/ Assessment	The final update of climate change Risk and Vulnerability Assessment and development of adaptation options as appropriate will include the following issues: **Orange WMA** • Update the climate change risk and vulnerability assessment and develop adaptation options as appropriate for the Upper Orange catchment • Update the climate change risk and vulnerability assessment and develop adaptation options as appropriate for the Lower Orange catchment • Update the climate change risk and vulnerability assessment and develop adaptation options as appropriate for the Orange WMA Consolidation of climate change risk and vulnerability assessment and develop adaptation options as appropriate for the Vaal system **Limpopo, Olifants and Inkomati-Usuthu WMAs** • Update the climate change Risk and Vulnerability Assessment for the Limpopo • Develop adaption options as appropriate for the Limpopo • Update the climate change Risk and Vulnerability Assessment for the Olifants • Develop adaption options as appropriate for the Olifants • Update the climate change Risk and Vulnerability Assessment for the Inkomati-Usuthu • Develop adaption options as appropriate for the Inkomati-Usuthu Consolidation of climate change risk and vulnerability assessment and develop adaptation options as appropriate for the Limpopo, Olifants and Inkomati-Usuthu WMAs
Means of verification	Produce a report every quarter as part of PoE
Assumptions	Climate is happening and the water sector will be impacted upon severely by the impact of climate change
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Cumulative (Year-End)
Reporting cycle	Quarterly
Desired performance	Update for the climate change for Risk and Vulnerability Assessments for Olifants, Limpopo, Inkomati-Usuthu and Orange WMAs 2 • Orange WMA • Limpopo -Olifants and Inkomati Usuthu WMA
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 3.3.1: 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	Final report for 4 water monitoring programmes • GW, • Surface Water, • NCMP • NEMP
Indicator Responsibility	Deputy Director-General: Water Planning and Information Management

PPI: 3.3.2 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 (i) if the development project is on track, and (ii) if the 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 le
Spatial Transformation (where applicable)	Not applicable le
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Final report for 6 systems • NIWIS, • HYDSTRA, • NGIS, • WMS, • GIS, • FMFS
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI 3.4.1 Number of existing gauging stations refurbished

Indicator title	Number of existing gauging stations refurbished
Definition	These are the sites where surface water monitoring and data collection takes place, both water quantity and qualifying of structure
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 (Year-End)
Reporting cycle	Quarterly
Desired performance	1 Liverpool gauging
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 3.5.1: 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
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.1.1: 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 report on progress (Xhariep Pipeline)]
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.1.2: 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	6 Inception reports for feasibility studies
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.1.3: 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 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	6 Inception reports for implementation readiness studies
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.2.1: National Water and Sanitation Bill developed

Indicator Title	National Water and Sanitation Bill developed
Definition	Draft National water and sanitation Bill amalgamates Water Services Act, 1997 (Act no 108 of 1997), and into one piece of legislation.
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	Draft Bill submitted to cabinet for approval
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.2.2: Approved National Water Resources Strategy Edition 3 (NWRS-3)

Indicator Title	Approved National Water Resources Strategy Edition 3 (NWRS)
Definition	This 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	The means for verification include • Draft 1 NWRS framework • Stakeholder inputs consolidated into the draft 1 framework • Annual Progress Report obtained from the Sector
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	National Water Resources Strategy Edition 3 (NWRS-3)
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.2.3: 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	The Concept paper, Provincial Situational Analysis Report & Conceptual Framework
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 and Annual
Desired performance	National Sanitation Situational Analysis Report
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI 4.2.4: 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: • Sector partners delivery databases • 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 Concept paper, Pilot Report
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	Conceptual Framework for National Faecal Sludge Management Strategy for on-site sanitation developed
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.2.5: Number of district municipalities (DMs) with completed 5 year Reliable water and sanitation services delivery implementation plans

Indicator Title	Number of district municipalities (DMs) with completed 5 year Reliable water and sanitation services delivery implementation 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	Situation Assessment Report for Five Year Reliability Implementation plan programme in 10 DMs
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

PPI No 4.2.6: 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	1 National report on Municipal Strategic Self-Assessments (MuSSA) within the WSAs, metros and secondary cities
Indicator responsibility	Deputy Director-General: Water Planning and Information Management

Programme 3: Water Infrastructure Development

PPI No 3.6.1: Number of bulk raw water projects ready for implementation

Indicator Title	Number of bulk raw water projects ready for implementation
Definition	This monitors the number of bulk raw water projects that are being prepared 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 as ready 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 packaged as ready for implementation: • Mokolo Crocodile (West) Water Augmentation Project - Phase 2A • ORWRDP 2D • Lusikisiki Regional Water Supply Scheme: Zalu 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	3 bulk raw water projects ready for implementation
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.6.2: 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 • Clanwilliam Dam • Hazelmere Dam • Mzimvubu (Ntabelanga Dam and Advance Infrastructure)
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	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.6.3: 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	No project will be completed
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	0 bulk raw water project completed
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.7.1.1: 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	9 mega regional bulk infrastructure project phases under construction
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.7.2.1: 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
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	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.7.1.2: 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	62 regional infrastructure project phases under construction
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.7.2.2: 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	11 large regional bulk infrastructure project phases completed
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.7.1.3: 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	38 small regional bulk infrastructure project phases under construction
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.7.2.3: 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	14 regional bulk infrastructure project phases completed
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.8.1: 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	347 small WSIG projects under construction
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.8.2: 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	105 small WSIG projects completed
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.8.3: Number of intervention projects implemented

Indicator Title	Number of intervention projects implemented
Definition	This monitors the number of intervention project implemented 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 implemented • Vaal Intervention 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	1 intervention project implemented
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.8.3 (a) Number of intervention projects implemented [COVID: 19]

Indicator Title	Number of intervention projects implemented **[COVID: 19]**
Definition	The COVID-19 Phase II Water Intervention programme seeks to secure sustainable water supply to water identified vulnerable communities by means of rudimentary water supply schemes. This includes source development and connection to water storage provided during Phase I of this programme.
Source of data	Monthly and quarterly progress reports
Method of calculation/ Assessment	This will be number of intervention projects implemented • Intervention 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	432
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.8.4: Number of existing bucket sanitation backlog systems in formal settlements replaced with adequate sanitation services per year

Indicator title	Number of existing bucket sanitation backlog systems in formal settlements replaced with adequate sanitation services per year
Definition	This monitors the number of existing buckets eradicated in formal settlements and replaced with a basic sanitation facility which 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.
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	Reports ; happy letters
Assumptions	Data accuracy
Disaggregation of Beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-cumulative
Reporting cycle	Quarterly
Desired performance	10 798 existing bucket sanitation backlog systems in formal settlements replaced with adequate sanitation services
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.9.1: Percentage of projects completed as per Maintenance Plan (Planned Maintenance)

Indicator title	Percentage of projects completed as per AMP aligned Maintenance Plan (Planned Maintenance)
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: $$\gamma\% = {}^{x}/_{y} \times 100$$
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% projects completed as per AMP aligned maintenance plan (planned maintenance)
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.9.2: 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: $$\gamma\% = {}^{x}/_{y} \times 100$$
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% projects completed
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.10.1: 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% adherence to agreements, authorisations and operating rules
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.10.2: Number of dam safety evaluated

Indicator Title	Number of dam safety evaluated
Definition	This monitors the number of dams evaluated for safety in accordance to the Water Act within a given financial year through the implementation of the dam safety evaluation programme.
Source of data	When all project evaluation is finalized the a Dam Safety Evaluations report is completed and signed of by an authorized Approved Professional Person and certificates for completed projects filed at Dam office.
Method of calculation / Assessment	The following project will be completed: • 30 Dams
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, Bi-Annual or Annual
Desired performance	25 dams Safety Evaluation reports
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.10.3: 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: • Bloemhof dam • Kwaggaskloof 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 (Year-End)
Reporting cycle	Quarterly
Desired performance	2 dam safety rehabilitation projects completed
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.10.4: 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	2.5 km of conveyance systems rehabilitated
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

PPI No 3.6.3.1; 3.7.2.4 and 3.10.5: Number of job opportunities created through implementing infrastructure projects

Indicator title	Number of job opportunities created through implementing infrastructure 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	1 145 job opportunities created through implementing infrastructure projects
Indicator responsibility	Deputy Director-General: National Water Resource Infrastructure

Programme 4: Water Sector Regulation

PPI No: 2.3.1 Mine water/ waste water management plans implemented

Indicator Title	Mine water/ waste water management plans implemented
Definition	This monitors the implementation of interventions for remediating the impacts of mine water and/ other waste water discharges into the environment
Source of data	Catchment water quality data and remediation strategy (implementation plan)
Method of calculation / Assessment	Vaal River mine water / wastewater management plan
Means of verification	Site visit reports and desktop assessment (GIS)
Assumption	Functional water management system (water data archived and readily accessible)
Disaggregation of beneficiaries (where applicable	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	0
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 2.3.2: Number of strategies developed for AMD mitigation

Indicator Title	Number of strategies developed for AMD mitigation
Definition	This monitors the development of mitigation strategies for WMAs in which potential AMD has been identified.
Source of data	Site inspections conducted by the regional offices or catchment management agencies within a WMA
Method of calculation / Assessment	Mitigation strategy for the Orange and Mzimvubu-Tsitsikama WMAs (total of 2 reports)
Means of verification	Site visits reports and desktop assessment (GIS)
Assumption	Updated records of mines per WMA/ province
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-Tsitsikama WMAs
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 2.3.3: Waste Discharge Charge System (WDCS) Implemented country wide

Indicator Title	Waste Discharge Charge System (WDCS) Implemented country wide
Definition	The drafting of a gap analysis report in preparation for the national roll – out of the WDCS project.
Source of data	WMS and WARMS
Method of calculation/Assessment	WDCS implemented
Means of verification	Gap analysis report data on the WARMS data base
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	Development of the methodology and management approach to implement the WDCS
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No: 2.3.4 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)	• Target for women: N/A • Target for youth: N/A • Target for people with disabilities: N/A
Spatial transformation (where applicable)	• Reflect on contribution to spatial transformation priorities: N/A • Reflect on the spatial impact area: N/A
Calculation type	Non-cumulative
Reporting cycle	Quartely
Desired performance	0
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.1.1: 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 users 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 users information
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	333 water users monitored for compliance
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.1.2: 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%=y/x*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
Reporting cycle	Quarterly
Desired performance	70% of reported non-compliant cases investigated
Indicator responsibility	Deputy Director General: Water Sector Regulation

PPI No 5.1.3: Number of wastewater supply systems assessed for compliance with the Green Drop Regulatory requirements

Indicator Title	Number of wastewater supply 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)	This contributes to Outcome 2.1: Spatial transformation and justice by ensuring that wastewater treatment works are operational and functional including protection of water resources
Calculation type	Non-Cumulative
Reporting cycle	Annual
Desired performance	963
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.1.4: 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 bkue 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 241 drinking water quality standards.
Source of data	Water services databases, water service authorities databases, accredited laboratories
Method of calculation/ Assessment	This will be the number of water supply systems assessed 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	Annual
Desired performance	0
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.1.5: Number of non-compliant wastewater systems monitored against the Regulatory requirements

Indicator Title	Number of non-compliant 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)	This contributes to Outcome 2.1: Spatial transformation and justice by ensuring that wastewater treatment works are operational and functional including protection of water resources
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	341 non-compliant wastewater systems monitored against the regulatory requirements
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.1.6: Number of non-compliant water supply systems monitored against the regulatory requirements

Indicator Title	Number of 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	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	355 non-compliant water supply systems monitored against the regulatory requirements
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.1.7: Water economic regulator established

Indicator Title	Water economic regulator established
Definition	This monitors the process for establishing an economic regulation institution for the water sector
Source of data	Due diligence reports and Second Draft Business Case
Method of calculation	Actual reports developed.
Means of verification	Actual Reports in place
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	0
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.2.1: Water pricing regulations implemented

Indicator Title	Water pricing regulations implemented
Definition	This measures the determination of Raw Water Charges and Bulk Water Tariffs that are done in compliance to the approved pricing strategy and norms & standards for tariff setting
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	Approved Tariff Submission
Assumption	Stakeholder 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	2021/22 Raw water charges and bulk tariffs approved
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 5.3.1: Percentage of applications for water use authorisation finalised within the regulated period

Indicator Title	Percentage of applications for water use authorisation finalised within the regulated period
Definition	This monitors the extent in which the department finalises applications for water authorisations within the regulated timeframe from the 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 regulated timeframe is provided the value "x" and the total number of received applications acknowledged as complete that should be finalized within the regulated timeframe is given the value "y" the formula is as follows: $\gamma\% = {}^{x}/_{y} \times 100$ Water use authorisation applications received from 17 May 2019 to 16 May 2020 form part of the reporting cycle. Water use authorisation applications (new applications submitted in the current financial year) finalised within regulated 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 regulated 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	Cumulative (Year-End)
Reporting cycle	Quarterly
Desired performance	60% of complete applications for water use authorisation finalised within regulated period Annua target: 60 % (being and average for the four quarters) Quarter 1: 80 % Qaurter 2: 80 % Quarter 3: 30 % Quarter 4: 50 %
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 6.2.1: Performance of entities evaluated against their performance plans

Indicator Title	Performance of entities evaluated against their performance plans
Definition	This monitors the Performance of 13 entities (TCTA, WRC, 9 WBs and 2 CMAs) 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 performance plans and reports 13 entities(TCTA, WRC, 9 WBs and 2 CMAs)
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 6.2.2: National Water Resource and Water Services Agency established

Indicator Title	National Water Resource and Water Services Agency established
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 finalised and consultation for establishment of the Agency
Method of calculation /Assessment	This will be the actual business case report
Means of verification	A concept note for the establishment of a National Water Infrastructure Agency
Assumption	Concept note
Disaggregation of beneficiaries (where applicable)	Not applicable
Spatial Transformation (where applicable)	Not applicable
Calculation type	Non-Cumulative
Reporting cycle	Quarterly
Desired performance	Final business case
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 6.2.3: 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	2(Breede-Gouritz , and Vaal CMAs) for new area operation gazetted
Indicator responsibility	Deputy Director-General: Water Sector Regulation

PPI No 6.2.4: 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 Bloem Water proto-regional water utility
Means of verification	The roadmap for the establishment of the Sedibeng and Bloem Water 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 [Draft due diligence for 2 regional water utilities (Sedibeng and Bloem)]
Indicator responsibility	Deputy Director-General: Water Sector Regulation

Annexures to the Annual Performance Plan

Annexure A: Conditional Grants

Table 1: 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

Table 2: 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 a. reticulated water supply, b. on site sanitation, c. source identification, d. 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 of time. 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 as a whole. 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

Term	Definition
	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
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.

Term	Definition
	• **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

Institution	Output Indicators	Annual Target	Data Source
NOT APPLICABLE			

Annexure D: Additional details for programme performance indicators

Programme 2: Water Planning and Information Management

PPI No 2.2.1: 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	**6** • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo	**8** • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo • Mogalakwena • Matlabas	**6** • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo	**6** • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo	**6** • Luvuvhu • Mutale • Nwanedi • Nzhelele • Lephalale • Mokolo
	9 • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane	**10** • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane • Molopo	**-**	**5** • Pienaars • Apies • Hennops • Jukskei • Crocodile	**9** • Pienaars • Apies • Hennops • Elands • Jukskei • Crocodile • Magalies • Marico • Ngotwane
Vaal: Gauteng, Free State, Northern Cape	**4** • Vaal • Blesbokspruit • Suikerbosrand • Harts	**7** • Vaal • Taaibosspruit • Blesbokspruit • Suikerbosrand • Mooi • Waterval • Harts	**-**	**4** • Vaal • Blesbokspruit • Suikerbosrand • Harts	**4** • Vaal • Blesbokspruit • Suikerbosrand • Harts
Orange: Free State and Northern Cape	**3** • Riet • Orange • Modder	**4** • Caledon • Riet • Orange • Modder	**3** • Riet • Orange • Modder	**3** • Riet • Orange • Modder	**3** • Riet • Orange • Modder
Olifants: Mpumalanga	**1** • Olifants	**2** • Olifants • Letaba	**-**	**1** • Olifants	**1** • Olifants
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
Mzimvubu-Tsitsikamma East: Eastern Cape	**4** • Mbashe • Kei • Keiskamma • Buffalo	**6** • Mzimvubu • Mthatha • Mbashe • Kei • Keiskamma • Buffalo	**-**	4 • Mbashe • Kei • Keiskamma • Buffalo	**4** • Mbashe • Kei • Keiskamma • Buffalo

WMA and Province	Targeted Number and Names	Frequency of monitoring			
		Quarter 1	Quarter 2	Quarter 3	Quarter 4
Phongola-Mtamvuna: KZN	**10** • Mngeni • Mlazi • Matigulu • Mhlathuze • Thukela • Mdloti • Mkhomazi • Mvoti • Thongathi • Lovu	**16** • Mngeni • Mlazi • Matigulu • Mfolozi • Mhlathuze • Thukela • Mkhuze • Mdloti • Mkhomazi • Mzimkhulu • Phongola • Hluhluwe • Mvoti • Thongathi • Lovu • Mtamvuna	**10** • Mngeni • Mlazi • Matigulu • Mhlathuze • Thukela • Mdloti • Mkhomazi • Mvoti • Thongathi • Lovu	**10** • Mngeni • Mlazi • Matigulu • Mhlathuze • Thukela • Mdloti • Mkhomazi • Mvoti • Thongathi • Lovu	**10** • Mngeni • Mlazi • Matigulu • Mhlathuze • Thukela • Mdloti • Mkhomazi • Mvoti • Thongathi • Lovu
Breede-Gouritz: Western Cape (BGCMA)	**11** • Breede • Goukamma • Diep • 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	**11** • Breede • Goukamma • Diep • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz	**11** • Breede • Goukamma • Diep • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz	**11** • Breede • Goukamma • Diep • Duiwenhoks • Goukou • Keurbooms • Knysna • Groot Brak • Kaaimans • Gwaing • Gouritz
Berg -Olifants: Western Cape	**1** • Berg	**1** • Berg	**1** • Berg	**1** • Berg	**1** • Berg
Total	**59**	**79**	**31**	**55**	**59**

PPI No 4.1.2: 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	2	Kinira Dam	-	-	Kinira Dam	Kinira Dam
		Ntabankulu Regional Bulk Water Supply	-	-	Ntabankulu Regional Bulk Water Supply	Ntabankulu Regional Bulk Water Supply
Free State	2	Steynrus,	-	-	Steynrus,	Steynrus,
		Masilonyana,	-	-	Masilonyana,	Masilonyana,
Mpumalanga	1	Ntsikazi	-	-	Ntsikazi	Ntsikazi
Northern Cape	1	Gamagara,	-	-	Gamagara,	Gamagara,
Total	6		-	-	6	6

PPI No 4.1.3: 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
Eastern Cape	2	Kinira Dam	-	-	Kinira Dam	Kinira Dam
		Ntabankulu Regional Bulk Water Supply	-	-	Ntabankulu Regional Bulk Water Supply	Ntabankulu Regional Bulk Water Supply
Free State	2	Steynrus,	-	-	Steynrus,	Steynrus,
		Masilonyana,	-	-	Masilonyana,	Masilonyana,
Mpumalanga	1	Ntsikazi	-	-	Ntsikazi	Ntsikazi
Northern Cape	1	Gamagara,	-	-	Gamagara,	Gamagara,
Total	6		-	-	6	6

PPI No 4.2.5: Number of district municipalities (DMs) with completed 5 year reliable water and sanitation services delivery implementation plans

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

Programme 3: Water Infrastructure Development

PPI No 3.7.1.1: 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	**3**	• Greater Mthonjaneni BWS Phase 2 of 2 • Ngcebo BWSS Phase 1 of 1 • uMshwathi BWS Phase 4 of 5	2 • Greater Mthonjaneni BWS Phase 2 of 2 • Ngcebo BWSS Phase 1 of 1	2 • Greater Mthonjaneni BWS Phase 2 of 2 • Ngcebo BWSS Phase 1 of 1	2 • Greater Mthonjaneni BWS Phase 2 of 2 • Ngcebo BWSS Phase 1 of 1	3 • Greater Mthonjaneni BWS Phase 2 of 2 • Ngcebo BWSS Phase 1 of 1 • uMshwathi BWS Phase 4 of 5
Limpopo	**1**	• Polokwane WWTW Phase 1 of 2	1 • Polokwane WWTW Phase 1 of 2	1 • Polokwane WWTW Phase 1 of 2	1 • Polokwane WWTW Phase 1 of 2	1 • Polokwane WWTW Phase 1 of 2
Northern Cape	**1**	• Vaal Gamagara bulk pipeline Phase 1 of 2	1 • Vaal Gamagara bulk pipeline Phase 1 of 2	1 • Vaal Gamagara bulk pipeline Phase 1 of 2	1 • Vaal Gamagara bulk pipeline Phase 1 of 2	1 • Vaal Gamagara bulk pipeline Phase 1 of 2
Schedule 6B						
Gauteng	**1**	• Sebokeng WWTW Phase 1 of 2	1 • Sebokeng WWTW Phase 1 of 2	1 • Sebokeng WWTW Phase 1 of 2	1 • Sebokeng WWTW Phase 1 of 2	-
Limpopo	**2**	• Giyani BWS Phase 1 of 1 • Mogalakwena Phase 2 of 2	2 • Giyani BWS Phase 1 of 1 • Mogalakwena Phase 2 of 2	2 • Giyani BWS Phase 1 of 1 • Mogalakwena Phase 2 of 2	2 • Giyani BWS Phase 1 of 1 • Mogalakwena Phase 2 of 2	2 • Giyani BWS Phase 1 of 1 • Mogalakwena Phase 2 of 2
Total	**9**		**8**	**8**	**8**	**8**

PPI No 3.7.2.1: 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						
Gauteng	**1**	• Sebokeng WWTW Phase 1 of 2	-	-	• Sebokeng WWTW Phase 1 of 2	-
Total	**1**		**0**	**0**	**1**	**0**

PPI No 3.7.1.2: 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	**8**	• Chris Hani DM Cluster 4 Phase 3 of 9 bulk pipeline and reservoir from Sikhungwini to Lady Frere • Chris Hani DM Cluster 4 Phase 4 of 9 bulk pipeline and reservoir from Lady Fere to Ngxumza • Chris Hani DM Cluster 9 Phase 3A and B of 5 (Tsomo abstraction works and WTW) • Chris Hani DM Cluster 9 Phase 3D of 5 (Bulk pipeline from Jojweni to Xolobe, including reservoir and pumps) • Chris Hani Cluster 9 phase 4 (Bulk connection and distribution xolobe, banzi & southern bulk, Tsomo Town bulk line and reservoir) of 5 • Chris Hani DM Cluster 6 Phase 4 of 6 (Gqaga rising main West, Hlupekazi) • Chris Hani DM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • Xonxa BWS Phase 2 of 2 (secondary bulk)	3 • Chris Hani DM Cluster 4 Phase 3 of 9 bulk pipeline and reservoir from Sikhungwini to Lady Frere • Chris Hani DM Cluster 9 Phase 3A and B of 5 (Tsomo abstraction works and WTW) • Chris Hani DM Cluster 6 Phase 4 of 6 (Gqaga rising main West, Hlupekazi)	6 • Chris Hani DM Cluster 4 Phase 3 of 9 bulk pipeline and reservoir from Sikhungwini to Lady Frere • Chris Hani DM Cluster 4 Phase 4 of 9 bulk pipeline and reservoir from Lady Fere to Ngxumza • Chris Hani Cluster 9 phase 4 of 5 (Bulk connection and distribution xolobe, banzi & southern bulk, Tsomo Town bulk line and reservoir) • Chris Hani Cluster 9 phase 4 of 5 (Bulk connection and distribution xolobe, banzi & southern bulk, Tsomo Town bulk line and reservoir) • Chris Hani DM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • Chris Hani DM Cluster 6 Phase 4of 6 (Gqaga rising main West, Hluphekazi)	3 • Chris Hani DM Cluster 4 Phase 3 of 9 bulk pipeline and reservoir from Sikhungwini to Lady Frere • Chris Hani Cluster 9 phase 3A and B of 5 (Tsomo abstraction works & WTW) • Chris Hani DM Cluster 6 Phase 4 of 6 (Gqaga rising main West, Hlupekazi)	6 • Chris Hani DM Cluster 4 Phase 3 of 9 bulk pipeline and reservoir from Sikhungwini to Lady Frere • Chris Hani DM Cluster 4 Phase 4 of 9 bulk pipeline and reservoir from Lady Fere to Ngxumza • Chris Hani DM 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 xolobe,banzi & southern bulk, Tsomo Town bulk line and reservoir) • Chris Hani DM Cluster 6 Phase 5 of 6 (Sitholeni rising main, Lokishini) • Xonxa BWS Phase 2 of 2 (secondary bulk)
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	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	2 • Ngwathe Bulk Water Supply Phase 3 of 3 • Setsoto BWS Phase 3 of 4

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
			BWS Phase 3 of 4		BWS Phase 3 of 4	
Gauteng	**0**	-	-	-	-	-
KwaZulu-Natal	**8**	• Driefontein Hobsland to Indaka BWS Phase 1 of 1 • Greater Bulwer BWS Phase 1 of 1 • Mandlakazi BWS Phase 5 of 5 • Greater Mpofana BWS Phase 1 of 1 • Nongoma Phase 1 of 1 • Maphumulo BWS Phase 3 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	8 • Driefontein Hobsland to Indaka BWS Phase 1 of 1 • Greater Bulwer BWS Phase 1 of 1 • Mandlakazi BWS Phase 5 of 5 • Greater Mpofana BWS Phase 1 of 1 • Nongoma Phase 1 of 1 • Maphumulo BWS Phase 3 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	8 • Driefontein Hobsland to Indaka BWS Phase 1 of 1 • Greater Bulwer BWS Phase 1 of 1 • Mandlakazi BWS Phase 5 of 5 • Greater Mpofana BWS Phase 1 of 1 • Nongoma Phase 1 of 1 • Maphumulo BWS Phase 3 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	8 • Driefontein Hobsland to Indaka BWS Phase 1 of 1 • Greater Bulwer BWS Phase 1 of 1 • Mandlakazi BWS Phase 5 of 5 • Greater Mpofana BWS Phase 1 of 1 • Nongoma Phase 1 of 1 • Maphumulo BWS Phase 3 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2	8 • Driefontein Hobsland to Indaka BWS Phase 1 of 1 • Greater Bulwer BWS Phase 1 of 1 • Mandlakazi BWS Phase 5 of 5 • Greater Mpofana BWS Phase 1 of 1 • Nongoma Phase 1 of 1 • Maphumulo BWS Phase 3 • Middlesdrift Phase 1 of 1 • Greytown BWS Phase 2 of 2
Limpopo	**0**	-	-	-	-	-
Mpumalanga	**6**	• Empuluzi / Methula Phase 3B of 8 • Empuluzi / Methula 4B of 8 • Empuluzi / Methula Phase 8 of 8 • Balfour / Siyathemba RBWS Phase 2 of Phase 6 • Balfour / Siyathemba RBWS Phase 3 of 6 • Msukaligwa RBWS (Cluster 3) Phase 1of 1	5 • Empuluzi / Methula Phase 3B of 8 • Empuluzi / Methula 4B of 8 • Empuluzi / Methula Phase 8 of 8 • Balfour / Siyathemba RBWS Phase 2 of Phase 6 • Balfour / Siyathemba RBWS Phase 3 of 6	5 • Empuluzi / Methula Phase 3B of 8 • Empuluzi / Methula 4B of 8 • Empuluzi / Methula Phase 8 of 8 • Balfour / Siyathemba RBWS Phase 2 of Phase 6 • Balfour / Siyathemba RBWS Phase 3 of 6	4 • Empuluzi / Methula Phase 3B of 8 • Empuluzi / Methula 4B of 8 • Balfour / Siyathemba RBWS Phase 2 of Phase 6 • Balfour / Siyathemba RBWS Phase 3 of 6	5 • Empuluzi / Methula Phase 3B of 8 • Empuluzi / Methula 4B of 8 • Balfour / Siyathemba RBWS Phase 2 of Phase 6 • Balfour / Siyathemba RBWS Phase 3 of 6 • Msukaligwa RBWS (Cluster 3) Phase 1of 1
Northern Cape	**1**	• Namakwa BWS Phase 2	1 • Namakwa BWS Phase 2	1 • Namakwa BWS Phase 2	1 • Namakwa BWS Phase 2	1 • Namakwa BWS Phase 2
North West	**3**	• Greater Mamusa BWS Phase 3 of 4 • Greater Mamusa BWS Phase 4 of 4 • Taung / Naledi BWS Phase 2 of 2	2 • Taung / Naledi BWS Phase 2 of 2 • Greater Mamusa BWS Phase 3 of 4	2 • Taung / Naledi BWS Phase 2 of 2 • Greater Mamusa BWS Phase 3 of 4	2 • Greater Mamusa BWS Phase 3 of 4 • Taung / Naledi BWS Phase 2 of 2	3 • Greater Mamusa BWS Phase 3 of 4 • Greater Mamusa BWS Phase 4 of 4 • Taung / Naledi BWS Phase 2 of 2
Western Cape	**0**	-	-	-	-	-
Schedule 6B						
Eastern Cape	**5**	• Ndlambe BWS Phase 1 of 1 • Mt Ayliff Peri	2 • Ndlambe BWS Phase	4 • Ndlambe BWS Phase 1 of 1	4 • Ndlambe BWS Phase	4 • Ndlambe BWS Phase 1 of 1

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
		Urban BWS Phase 1 of 2 (upgrade of WTW) • Nqamakhwe BWS phase 1 of 1(cross boarders scheme) • Xhora BWS phase 1 of 2(Weir, WTW,dam Bulk pipeline) • Xhora BWS phase 2of 2 (bulk pipelines)	1 of 1 • Mt Ayliff Peri Urban BWS Phase 1 of 2 (upgrade of WTW)	• Mt Ayliff Peri Urban BWS Phase 1 of 2 (upgrade of WTW) • Nqamakhwe BWS phase 1 of 1(cross boarders scheme) • Xhora BWS phase 1 of 2(Weir, WTW,dam Bulk pipeline)	1 of 1 • Mt Ayliff Peri Urban BWS Phase 1 of 2 (upgrade of WTW) • Nqamakhwe BWS phase 1 of 1(cross boarders scheme) • Xhora BWS phase 1 of 2(Weir, WTW,dam Bulk pipeline)	• Mt Ayliff Peri Urban BWS Phase 1 of 2 (upgrade of WTW) • Xhora BWS phase 2of 2 (bulk pipelines) • Nqamakhwe BWS phase 1 of 1(cross boarders scheme)
Free State	5	• Maluti-a-Phofung Phase 4 of 4 • Masilonyana BWS Phase 2 of 2 • Nketoana BWS Phase 1 of 2 • Tokologo BWS Phase 2 of 3 • Welbedacht Pipeline Phase 1 of 1	5 • Maluti-a-Phofung Phase 4 of 4 • Masilonyana BWS Phase 2 of 2 • Nketoana BWS Phase 1 of 2 • Tokologo BWS Phase 2 of 3 • Welbedacht Pipeline Phase 1 of 1	5 • Maluti-a-Phofung Phase 4 of 4 • Masilonyana BWS Phase 2 of 2 • Nketoana BWS Phase 1 of 2 • Tokologo BWS Phase 2 of 3 • Welbedacht Pipeline Phase 1 of 1	5 • Maluti-a-Phofung Phase 4 of 4 • Masilonyana BWS Phase 2 of 2 • Nketoana BWS Phase 1 of 2 • Tokologo BWS Phase 2 of 3 • Welbedacht Pipeline Phase 1 of 1	5 • Maluti-a-Phofung Phase 4 of 4 • Masilonyana BWS Phase 2 of 2 • Nketoana BWS Phase 1 of 2 • Tokologo BWS Phase 2 of 3 • Welbedacht Pipeline Phase 1 of 1
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
KwaZulu-Natal	0	-	-	-	-	-
Limpopo	12	• Babanana Pipeline project Phase 1of 1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1 of 1 (Nandoni to Nsami) • Mametja Sekororo BWS Phase 1 of 2 • Moutse Phase 1 • Moutse Phase 5 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase 15 • Mooihoek BWS Phase 4 of 4 • Nebo BWS Phase 3 of 3	12 • Babanana Pipeline project Phase 1of 1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1 of 1 (Nandoni to Nsami) • Mametja Sekororo BWS Phase 1 of 2 • Moutse Phase 1 • Moutse Phase 5 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse	12 • Babanana Pipeline project Phase 1of 1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1 of 1 (Nandoni to Nsami) • Mametja Sekororo BWS Phase 1 of 2 • Moutse Phase 1 • Moutse Phase 5 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase	12 • Babanana Pipeline project Phase 1of 1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1 of 1 (Nandoni to Nsami) • Mametja Sekororo BWS Phase 1 of 2 • Moutse Phase 1 • Moutse Phase 5 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse	12 • Babanana Pipeline project Phase 1of 1 • Sinthumule Kutama Phase 3 of 3 (including Luvuvhu GWS) • Giyani Drought Phase 1 of 1 (Nandoni to Nsami) • Mametja Sekororo BWS Phase 1 of 2 • Moutse Phase 1 • Moutse Phase 5 • Moutse Phase 7-12 • Moutse Phase 13 • Moutse Phase 14 • Moutse Phase 15 • Mooihoek BWS Phase 4 of 4 • Nebo BWS Phase 3 of 3

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
			Phase 15 • Mooihoek BWS Phase 4 of 4 • Nebo BWS Phase 3 of 3	15 • Mooihoek BWS Phase 4 of 4 • Nebo BWS Phase 3 of 3	Phase 15 • Mooihoek BWS Phase 4 of 4 • Nebo BWS Phase 3 of 3	
Mpumalanga	**4**	• Driekoppies Phase 1A of 5 • Driekoppies Phase 1C of 5 • Driekoppies Phase 2A of 5 • Driekoppies Phase 3B of 5	4 • Driekoppies Phase 1A of 5 • Driekoppies Phase 1C of 5 • Driekoppies Phase 2A of 5 • Driekoppies Phase 3B of 5	4 • Driekoppies Phase 1A of 5 • Driekoppies Phase 1C of 5 • Driekoppies Phase 2A of 5 • Driekoppies Phase 3B of 5	4 • Driekoppies Phase 1A of 5 • Driekoppies Phase 1C of 5 • Driekoppies Phase 2A of 5 • Driekoppies Phase 3B of 5	4 • Driekoppies Phase 1A of 5 • Driekoppies Phase 1C of 5 • Driekoppies Phase 2A of 5 • Driekoppies Phase 3B of 5
Northern Cape	**0**	-	-	-	-	-
North West	**7**	• Tlokwe(Potchefstroom) WTW Phase 3 of 4 • Madibeng (Brits) Phase 2 of 3 WTW • Moretele South Bulk Phase 3 of 4 • Mafikeng WTW Upgrade Phase 3 of 4 • Ratlou (Setlagole) Phase 1 of 3 • Ratlou (Madibogo) Phase 2 of 3 • Mafikeng BWS Phase 2 of 3	6 • Tlokwe (Potchefstroom) WTW Phase 3 of 4 • Madibeng (Brits) WTW Phase 2 of 3 • Moretele South Bulk Phase 3 of 3 • Ratlou (Setlagole) Phase 1 of 3 • Ratlou (Madibogo) Phase 2 of 3 • Mafikeng BWS Phase 2 of 2	6 • Tlokwe (Potchefstroom) WTW Phase 3 of 4 • Madibeng (Brits) WTW Phase 2 of 3 • Moretele South Bulk Phase 3 of 4 • Mmabatho WTW Upgrade Phase 3 of 4 • Ratlou (Setlagole)Phase 1 of 3 • Mafikeng BWS Phase 2 of 3	7 • Tlokwe (Potchefstroom) WTW Phase 3 of 4 • Madibeng (Brits) Phase 2 of 3 WTW • Moretele South Bulk Phase 3 of 4 • Mafikeng WTW Upgrade Phase 3 of 4 • Ratlou (Setlagole Phase 1 of 3 • Ratlou (Madibogo) Phase 2 of 3 • Mafikeng BWS Phase 2 of 3	6 • Tlokwe (Potchefstroom) WTW Phase 3 of 4 • Madibeng (Brits) WTW Phase 2 of 4 • Moretele South Bulk Phase 3 of 4 • Mafikeng WTW Upgrade Phase 3 of 4 • Ratlou (Madibogo) Phase 2 of 3 • Mafikeng BWS Phase 2 of 3
Western Cape	**0**	-	-	-	-	-
Total	**62**		**51**	**56**	**53**	**57**

PPI No 3.7.2.2: 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	2	• Chris Hani DM Cluster 6 Cluster 6 Phase 4 of 6 (Gqaga rising main, Hlupekazi) • Chris Hani Cluster 9 phase 3A and B of 5 (Tsomo abstraction works & WTW)	2 • Chris Hani DM Cluster 9 Phase 3 of 5 (Tsomo abstraction work and WTW) • Chris Hani DM Cluster 6 Cluster 6 Phase 4 of 6 (Gqaga rising main, Hlupekazi)	1 • Chris Hani DM Cluster 9 Phase 3 of 5 (Tsomo abstraction work and WTW)	2 • Chris Hani DM Cluster 6 Phase 4 of 6 (Gqaga rising main, Hlupekazi) • Chris Hani Cluster 9 phase 3A and B of 5 (Tsomo abstraction works & WTW)	-
Free State	**0**	-	-	-	-	-
Gauteng	**0**	-	-	-	-	-
KwaZulu-Natal	**0**	-	-	-	-	-

.Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Limpopo	**0**	-	-	-	-	-
Mpumalanga	**1**	• Empuluzi/ Methula RBWS Phase 8 of 8	0	1 • Empuluzi/ Methula RBWS Phase 8 of 8	0	0
Northern Cape	**0**	-	-	-	-	-
North West	**2**	• Taung / Naledi BWS Phase 2 • Greater Mamusa BWS Phase 3 of 4	0	-	-	2 • Taung / Naledi BWS Phase 2 • Greater Mamusa BWS Phase 3 of 4
Western Cape	**0**	-	-	-	-	-
Schedule 6B						
Eastern Cape	**2**	• Mt Ayliff Peri Urban BWS Phase of 2 (upgrade of WTW) • Xhora BWS phase 1 of 2(Weir, WTW,dam Bulk pipeline)	0	0	1 • Xhora BWS phase 1 of 2(Weir, WTW,dam Bulk pipeline)	1 • Mt Ayliff Peri Urban BWS Phase 1 of 2 (upgrade of WTW)
Free State	**0**	-	-	-	-	-
Gauteng	**1**	• Meyerton WWTW Phase 2 of 3	-	-	-	1 • Meyerton WWTW Phase 2 of 3
KwaZulu-Natal	**0**	-	-	-	-	-
Limpopo	**1**	• Mametja Sekororo BWS Phase 1 of 2	1 • Mametja Sekororo BWS Phase 1 of 2	0	0	1 • Mametja Sekororo BWS Phase 1 of 2
Mpumalanga	**0**	-	-	-	-	-
Northern Cape	**0**	-	-	-	-	-
North West	**2**	• Ratlou BWS (Setlagole) Phase 1 of 2 • Mafikeng BWS (Mmabatho) Phase 2 of 2	-	-	2 • Ratlou BWS (Setlagole) Phase 1 of 2	1 • Mafikeng BWS (Mmabatho) Phase 2 of 2
Western Cape	**0**	-	-	-	-	-
Total	**11**		**3**	**2**	**4**	**6**

PPI No 3.7.1.3: 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	**1**	• Middleburg BWS Phase 2 of 2	1 • Middleburg BWS Phase 2 of 2	1 • Middleburg BWS Phase 2 of 2	1 • Middleburg BWS Phase 2 of 2	1 • Middleburg BWS Phase 2 of 2
Free State	**2**	• Rouxville/ Smithfield/ Zastron BWS (Mohokare BWS) • Mantsopa BWS Phase 2 of 2	2 • Rouxville/ Smithfield/ Zastron BWS (Mohokare BWS) • Mantsopa BWS Phase	2 • Rouxville/ Smithfield/ Zastron BWS (Mohokare BWS) • Mantsopa BWS Phase	1 • Rouxville/ Smithfield/ Zastron BWS (Mohokare BWS)	1 • Rouxville/ Smithfield/ Zastron BWS (Mohokare BWS)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
			2 of 2	2 of 2		
Gauteng	Rothdene rising main phase 2 of 2	-	1 • Rothdene rising main phase 2 of 2	1 • Rothdene rising main phase 2 of 2	1 • Rothdene rising main phase 2 of 2	1 • Rothdene rising main phase 2 of 2
KwaZulu-Natal	**0**	-	-	-	-	-
Limpopo	**0**	-	-	-	-	-
Mpumalanga	**8**	• Bushbuckridge Water Services Phase 2 (Maviljan WWTW's) • Amsterdam/ Sheepmoor Phase 3 of 4 • Balfour WWTW's Phase 2 of 3 • Balfour WWTW's Phase 3 of 3 • Steve Tswhete WS phase 1 of 2 (covid 19) • Embalenhle Bulk Outfall Sewer phase 2 of 4(covid 19) • Eesterhoek BWS Phase 1 of 4 • Eesterhoek BWS Phase 2 of 4	4 • Bushbuckridge Water Services Phase 2 (Maviljan WWTW's) • Amsterdam/ Sheepmoor Phase 3 of 4 • Balfour WWTW's Phase 2 of 3 • Balfour WWTW's Phase 3 of 3	6 • Bushbuckridge Water Services Phase 2 (Maviljan WWTW's) • Amsterdam/ Sheepmoor Phase 3 of 4 • Balfour WWTW's Phase 2 of 3 • Balfour WWTW's Phase 3 of 3 • Steve Tswhete WS phase 1 of 2 (covid 19) • Embalenhle Bulk Outfall Sewer phase 2 of 4(covid 19)	8 • Bushbuckridge Water Services Phase 2 (Maviljan WWTW's) • Amsterdam/ Sheepmoor Phase 3 of 4 • Balfour WWTW's Phase 2 of 3 • Balfour WWTW's Phase 3 of 3 • Steve Tswhete WS phase 1 of 2 (covid 19) • Embalenhle Bulk Outfall Sewer phase 2 of 4(covid 19) • Eesterhoek BWS Phase 1 of 4 • Eesterhoek BWS Phase 2 of 4	7 • Bushbuckridge Water Services Phase 2 (Maviljan WWTW's) • Eesterhoek BWS Phase 1 of 4 • Eesterhoek BWS Phase 2 of 4 • Steve Tswhete WS phase 1 of 2 (covid 19) • Embalenhle Bulk Outfall Sewer phase 2 of 4(covid 19) • Balfour WWTW's Phase 2 of 3 • Balfour WWTW's Phase 3 of 3
Northern Cape	**3**	• Britstown BWS Phase 1 of 1 • Brandvlei BWS Phase 1 of 1 • Vanwyksvlei BWS Phase 2 of 2	2 • Britstown BWS Phase 1 of 1 • Brandvlei BWS Phase 1 of 1	3 • Britstown BWS Phase 1 of 1 • Brandvlei BWS Phase 1 of 1 • Vanwyksvlei BWS Phase 2 of 2	3 • Britstown BWS Phase 1 of 1 • Brandvlei BWS Phase 1 of 1 • Vanwyksvlei BWS Phase 2 of 2	3 • Britstown BWS Phase 1 of 1 • Brandvlei BWS Phase 1 of 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	1 • Tulbagh BWS Phase 12 of 13
Schedule 6B						
Eastern Cape	6	• Sundays river (Paterson) BWS phase 6 of 6 • James Kleynhans BWS Phase 2 of 4 (WTW upgrade) • Matatiele BWS Phase 1 of 1 • Graaff Reinett emergency WSS phase 1 of 2 (groundwater development) • Graff reinett Phase 2 of 2 (augmentation of groundwater) • Port Alfred RO	4 • Sundays river (Paterson) BWS phase 6 of 6 • James Kleynhans BWS Phase 2 (WTW upgrade) • Xhorha BWS Phase 1 of 1 • Graaff Reinett emergency WSS phase 1 of 2 (groundwater	6 • Sundays river (Paterson) BWS phase 6 of 6 • James Kleynhans BWS Phase 2 (WTW upgrade) • Graaff Reinett emergency WSS phase 1 of 2 (groundwater development • Graff reinett	4 • James Kleynhans BWS Phase 2 (WTW upgrade) • Graff reinett Phase 2 of 2 (augmentation of groundwater) • Port Alfred RO plant (5ml) phase 1 of 1 • Matatiele BWS Phase 1 of 1	4 • James Kleynhans BWS Phase 2 (WTW upgrade) • Matatiele BWS Phase 1 of 1 • Graff reinett Phase 2 of 2 (augmentation of groundwater) • Port Alfred RO plant (5ml) phase 1 of 1

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
		plant (5ml) phase 1 of 1	development)	Phase 2 of 2 (augmentation of groundwater) • Port Alfred RO plant (5ml) phase 1 of 1 • Matatiele BWS Phase 1 of 1		
Free State	**4**	• Mafube / Frankfort Bulk Sewer Phase 2 of 2 • Jagersfontein / Fauresmith BWS Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 (Upgrading of Deneysville WWTW) • Tswelopele BWS Phase 2 of 2	3 • Mafube / Frankfort Bulk Sewer Phase 2 of 2 • Jagersfontein / Fauresmith BWS Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 (Upgrading of Deneysville WWTW)	3 • Mafube / Frankfort Bulk Sewer Phase 2 of 2 • Jagersfontein / Fauresmith BWS Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 (Upgrading of Deneysville WWTW)	3 • Mafube / Frankfort Bulk Sewer Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 (Upgrading of Deneysville WWTW) • Jagersfontein / Fauresmith BWS Phase 2 of 2	4 • Mafube / Frankfort Bulk Sewer Phase 2 of 2 • Metsimaholo Bulk Sewer Phase 1 of 1 (Upgrading of Deneysville WWTW) • Tswelopele BWS Phase 2 of 2 • Jagersfontein / Fauresmith BWS Phase 2 of 2
Gauteng	**0**	-	-	-	-	-
KwaZulu-Natal	**0**	-	-	-	-	-
Limpopo	**0**	-	-	-	-	-
Mpumalanga	6	• Sibange Phase 1of 5 • Sibange Phase Phase 2 of 5 • Sibange Phase 3 of 5 • Sibange Phase 4 of 5 • Sibange Phase 5 of 5 • Rooikoppen/Sakhile Bulk Outfall Sewer phase 1 of 2(covid 19)	5 • Sibange Phase 1of 5 • Sibange Phase Phase 2 of 5 • Sibange Phase 3 of 5 • Sibange Phase 4 of 5 • Sibange Phase 5 of 5	6 • Sibange Phase 1of 5 • Sibange Phase Phase 2 of 5 • Sibange Phase 3 of 5 • Sibange Phase 4 of 5 • Sibange Phase 5 of 5 • Rooikoppen/Sakhile Bulk Outfall Sewer phase 1 of 2(covid 19)	5 • Sibange Phase Phase 2 of 5 • Sibange Phase 3 of 5 • Sibange Phase 4 of 5 • Sibange Phase 5 of 5 • Rooikoppen/Sakhile Bulk Outfall Sewer phase 1 of 2 (covid 19)	5 • Sibange Phase Phase 2 of 5 • Sibange Phase 3 of 5 • Sibange Phase 4 of 5 • Sibange Phase 5 of 5 • Rooikoppen/Sakhile Bulk Outfall Sewer phase 1 of 2(covid 19)
Northern Cape	**3**	• Winsorton to Holpan BWS Phase 1 of 1 • Upington WWTW Phase 1 of 1 • Warrenton WTW Phase 1 of 1	3 • Winsorton to Holpan BWS Phase 1 of 1 • Upington WWTW Phase 1 of 1 • Warrenton WTW Phase 1 of 1	3 • Winsorton to Holpan BWS Phase 1 of 1 • Upington WWTW Phase 1 of 1 • Warrenton WTW Phase 1 of 1	3 • Winsorton to Holpan BWS Phase 1 of 1 • Upington WWTW Phase 1 of 1 • Warrenton WTW Phase 1 of 1	3 • Winsorton to Holpan BWS Phase 1 of 1 • Upington WWTW Phase 1 of 1 • Warrenton WTW Phase 1 of 1
North West	**1**	• Koster WWTW Phase 1 of 1	1 • Koster WWTW Phase 1 of 1	1 • Koster WWTW Phase 1 of 1	-	-
Western Cape	2	• Lamberts Bay Desalination Plant and • Citrusdal WWT	1 • Lamberts Bay Desalination plant	1 • Lamberts Bay Desalination plant	1 • Lamberts Bay Desalination plant • Citrusdal WWTW	2 • Lamberts Bay Desalination plant • Citrusdal WWTW
Total	**38**		**26**	**34**	**32**	**32**

PPI No 3.7.2.3: 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	**2**	• Rouxville/ Smithfield / Zastron BWS (Mohokare BWS) • Mantsopa BWS Phase 2 of 2	0	1 • Mantsopa BWS Phase 2 of 2	0	1 • Rouxville / Smithfield / Zastron BWS (Mohokare BWS)
Gauteng	**0**	-	-	-	-	-
KwaZulu-Natal	**0**	-	-	-	-	-
Limpopo	**0**	-	-	-	-	-
Mpumalanga	**3**	• Amsterdam / Sheepmoor Phase 3 of 4 • Balfour WWTW's Phase 2 of 3 • Balfour WWTW's Phase 3 of 3	0	0	1 • Amsterdam / Sheepmoor Phase 3 of 4	2 • Balfour WWTW's Phase 2 of 3 • Balfour WWTW's Phase 3 of 3
Northern Cape	**1**	• Brandvlei BWS Phase 1 of 1	-	-	-	1 • Brandvlei BWS Phase 1 of 1
North West	**0**	-	-	-	-	-
Western Cape	**0**	-	-	-	-	-
Schedule 6B						
Eastern Cape	2	• Sundays river (Paterson) BWS phase 6 of 6 • Graaff Reinett emergency WSS phase 1 of 2 (groundwater	1 • Graaff Reinett emergency WSS phase 1 of 2 (groundwater development)	2 • Sundays river (Paterson) BWS phase 6 of 6 • Graaff Reinett emergency WSS phase 1 of 2 (groundwater	2- • Sundays river (Paterson) BWS phase 6 of 6 • Graaff Reinett emergency WSS phase 1 of 2 (groundwater	-
Free State	**1**	• Jagersfontein/ Fauresmith BWS Phase 2	-	-	-	1 • Jagersfontein/ Fauresmith BWS Phase 2
Gauteng	**0**	-	-	-	-	-
KwaZulu-Natal	**0**	-	-	-	-	-
Limpopo	**0**	-	-	-	-	-
Mpumalanga	**2**	• Sibange Phase 1 of 5 • Sibange Phase 3 of 5	-	-	-	2 • Sibange Phase 1 of 5 • Sibange Phase 3 of 5
Northern Cape	**0**	-	-	-	-	-
North West	**1**	1 • Koster WWTW Phase 1 of 1	-	1 • Koster WWTW Phase 1 of 1	-	-
Western Cape	**2**	• Lamberts bay Desalination Plant • Citrusdal WWTW	-	-	-	2 • Lamberts bay Desalination Plant • Citrusdal WWTW
Total	**14**		**1**	**4**	**3**	**9**

PPI No.3.8.1: 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	**60**	• O.R. Tambo (13) • Chris Hani (14) • Joe Gqabi (8) • Amathole (10) • Alfred Nzo (8) • Dr Beyers (1) • Blue Crane (3) • Makana (2) • Kouga (1)	20 • O.R. Tambo (3) • Chris Hani (4) • Joe Gqabi (3) • Amathole (5) • Alfred Nzo (4) • Blue Crane (1)	0	40 • O.R. Tambo (10) • Chris Hani (10) • Joe Gqabi (5) • Amathole (5) • Alfred Nzo (4) • Dr Beyers (1) • Blue Crane (2) • Makana (2) • Kouga (1)	40 • O.R. Tambo (10) • Chris Hani (10) • Joe Gqabi (5) • Amathole (5) • Alfred Nzo (4) • Dr Beyers (1) • Blue Crane (2) • Makana (2) • Kouga (1)
Free State	32	• Metsimaholo (1) • Moqhaka (1) • Ngwathe (3) • Mafube (1) • Matjhabeng (1) • Masilonyana (2) • Tokologo (2) • Maluti (3) • Dithlabeng (2) • Phumelela (3) • Setsoto (2) • Mantsopa (1) • Nketoana (1) • Kopanong (4) • Mohokare (3) • Letsemeng (2)	18 • Metsimaholo (1) • Moqhaka (1) • Ngwathe (3) • Matjhabeng (1) • Masilonyana (1) • Tokologo (2) • Maluti (1) • Dithlabeng (2) • Phumelela (2) • Setsoto (1) • Mantsopa (1) • Kopanong (2)	28 • Metsimaholo (1) • Moqhaka (1) • Ngwathe (3) • Mafube (1) • Matjhabeng (1) • Masilonyana (2) • Tokologo (2) • Maluti (3) • Dithlabeng (1) • Phumelela (3) • Setsoto (1) • Mantsopa (1) • Nketoana (1) • Kopanong (4) • Mohokare (2) • Letsemeng (1)	27 • Metsimaholo (1) • Ngwathe (3) • Matjhabeng (1) • Masilonyana (2) • Tokologo (2) • Maluti (2) • Dithlabeng (2) • Phumelela (2) • Setsoto (2) • Mantsopa (1) • Nketoana (1) • Kopanong (4) • Mohokare (2) • Letsemeng (2)	21 • Metsimaholo (1) • Matjhabeng (1) • Masilonyana (2) • Tokologo (1) • Maluti (2) • Dithlabeng (2) • Phumelela (1) • Setsoto (2) • Nketoana (1) • Kopanong (4) • Mohokare (2) • Letsemeng (2)
Gauteng	**10**	• Lesedi LM (2) • Midvaal (2) • Mogale City (2) • Merafong City (2) • Rand West (2)	10 • Lesedi LM (2) • Midvaal (2) • Mogale City (2) • Merafong City (2) • Rand West (2)	9 • Lesedi LM (2) • Midvaal (2) • Mogale City (2) • Merafong City (2) • Rand West (1)	7 • Lesedi LM (2) • Mogale City (2) • Merafong City (2) • Rand West (1)	2 • Merafong City (2)
KwaZulu Natal	26	• Amajuba (2) • King Cetshwayo (2) • Zululand (4) • uMhlathuze (1) • Harry Gwala (6) • iLembe (2) • Ugu (1) • uThukela (5) • uMkhanyakude (4) • Msunduzi (1) • Newcastle (1) • uMgungundlovu (1) • uMzinyathi (4)	34 • Amajuba (2) • King Cetshwayo (2) • Zululand (4) • uMhlathuze (1) • Harry Gwala (6) • iLembe (2) • Ugu (1) • uThukela (5) • uMkhanyakude (4) • Msunduzi (1) • Newcastle (1) • uMgungundlovu (1) • uMzinyathi (4)	26 • Amajuba (1) • King Cetshwayo (2) • Zululand (3) • uMhlathuze (1) • Harry Gwala (4) • iLembe (1) • Ugu (1) • uThukela (3) • uMkhanyakude (3) • Msunduzi (1) • Newcastle (1) • uMgungundlovu (1) • uMzinyathi (4)	26 • Amajuba (1) • King Cetshwayo (2) • Zululand (3) • uMhlathuze (1) • Harry Gwala (4) • iLembe (1) • Ugu (1) • uThukela (3) • uMkhanyakude (3) • Msunduzi (1) • Newcastle (1) • uMgungundlovu (1) • uMzinyathi (4)	26 • Amajuba (1) • King Cetshwayo (2) • Zululand (3) • uMhlathuze (1) • Harry Gwala (4) • iLembe (1) • Ugu (1) • uThukela (3) • uMkhanyakude (3) • Msunduzi (1) • Newcastle (1) • uMgungundlovu (1) • uMzinyathi (4)
Limpopo	72	• Capricorn (11) • Polokwane (5)	16 • Mogalakwena	75 • Capricorn	72 • Capricorn (11)	72 • Capricorn (11)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
		• Sekhukhune (11) • Mogalakwena (8) • Lephalale (2) • Bela Bela (6) • Mopani (11) • Vhembe (18)	(1) • Thabazimbi (5) • Modimolle Mokgophong (10)	(11) • Polokwane (5) • Sekhukhune (11) • Mogalakwena (8) • Lephalale (2) • Bela Bela (6) • Mopani (11) • Vhembe (18) • Thabazimbi (3)	• Polokwane (5) • Sekhukhune (11) • Mogalakwena (8) • Lephalale (2) • Bela Bela (6) • Mopani (11) • Vhembe (18)	• Polokwane (5) • Sekhukhune (11) • Mogalakwena (8) • Lephalale (2) • Bela Bela (6) • Mopani (11) • Vhembe (18)
Mpumalanga	15	• Chief Albert Luthuli (1) • Govan Mbeki (2) • Mkondo (3) • Msukaligwa (3) • Pixley ka Iseme (2) • Bushbuckridge (2) • Nkomazi (1) • ThabaChweu (1) • Emakhazeni (4) • Emalahleni (1) • Steve Tshwete (2) • Thembisile (3) • Victor Khanye (1)	12 • Mkhondo (2) • Msukaligwa (2) • Emalahleni (1) • Pixley (2) • Steve Tshwete (1) • Thembisile (1) • Emakhazeni (2) • Thaba Chweu (1)	8 • Chief Albert Luthuli (1) • Msukaligwa (1) • Nkomazi (1) • Thembisile (2) • Govan Mbeki (2) • Thaba Chweu (1)	15 • Chief Albert Luthuli (1) • Pixley (1) • Govan Mbeki (1) • Mkhondo (1) • Msukaligwa (2) • Bushbuckridge (2) • Nkomazi (1) • Emakhazeni (2) • Steve Tshwete (1) • Thembisile (2) • Thaba Chweu (1)	15 • Chief Albert Luthul (1) • Pixley (1) • Govan Mbeki (1) • Mkhondo (1) • Msukaligwa (2) • Bushbuckridge (2) • Nkomazi (1) • Emakhazeni (2) • Steve Tshwete (1) • Thembisile (2) • Thaba Chweu (1)
North West	19	• Rusternburg LM (4) • Moses Kotane (6) • Dr. Ruth (9)	17 • Rusternburg LM (2) • Moses Kotane (3) • Dr. Ruth (9) • Moretele (3)	0	5 • Rusternburg LM (2) • Moses Kotane (3)	5 • Rusternburg LM (2) • Moses Kotane (3)
Northern Cape	28	• Richtersveld (1) • Nama Khoi (1) • Kamiesberg (3) • Hantam (1) • Kgatelopele (1) • Ubuntu (1) • Siyathemba (1) • Siyancuma (3) • Sol Plaatje (2) • Gamagara (3) • Ga-Segonyana (4) • Joe Morolong (6) • Umsobomvu (1)	5 • Siyancuma (1) • Sol Plaatje (1) • Gamagara (2) • Umsobomvu (1)	5 • Siyancuma (1) • Sol Plaatje (1) • Gamagara (3)	16 • Ga-Segonyana (4) • Joe-Morolong (6) • Nama Khoi (1) • Siyancuma (1) • Phokwane (1) • Kamiesberg (3)	23 • Richtersveld (1) • Nama Khoi (1) • Kamiesberg (3) • Hantam (1) • Kgatelopele (1) • Ubuntu (1) • Siyathemba (1) • Siyancuma (2) • Sol Plaatje (1) • Gamagara (1) • Ga-Segonyana (4) • Joe Morolong (6)
Western Cape	14	• Drakenstein (1) • Knysna (1) • Theewaterskloof (1) • Laingsburg (1) • Cape Agulhas (1) • Bergrivier (1) • Oudtshoorn (1) • Langeberg (1) • Kannaland (1) • Matzikamma (2) • Oudtshoorn (1) • Cederberg (1) • Kannaland (1)	5 • Matzikamma (2) • Oudtshoorn (1) • Cederberg (1) • Kannaland (1)	5 • Matzikamma (2) • Oudtshoorn (1) • Cederberg (1) • Kannaland (1)	5 • Matzikamma (2) • Oudtshoorn (1) • Cederberg (1) • Kannaland (1)	10 • Drakenstein (1) • Knysna (1) • Theewaterskloof (1) • Laingsburg (1) • Cape Agulhas (1) • Bergrivier (1) • Oudtshoorn (1) • Langeberg (1) • Kannaland (1) • Matzikamma (1)
Sub-Total	**289**		**139**	**156**	**216**	**217**
Schedule 6B						

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Eastern Cape	**0**	-	0	0	0	0
Free State	**0**	-	0	0	0	0
Gauteng	**2**	• Emfuleni (2)	1 • Emfuleni (1)	2 • Emfuleni (2)	2 • Emfuleni (2)	2 • Emfuleni (2)
KwaZulu Natal	**0**	-	0	0	0	0
Limpopo	**23**	• Thabazimbi (4) • Modimolle Mokgopong (10) • Mopani (9)	0	23 • Thabazimbi (4) • Modimolle /Mokgopong (10) • Mopani (9)	23 • Thabazimbi (4) • Modimolle/ Mokgopong (10) • Mopani (9)	23 • Thabazimbi (4) • Modimolle/ Mokgopong (10) • Mopani (9)
Mpumalanga	**1**	• Lekwa (1)	1 • Lekwa (1)	1 • Lekwa (1)	1 • Lekwa (1)	1 • Lekwa (1)
North West	**34**	• Kgetleng (8) • Madibeng (3) • Ngaka Modiri Molema (5) • Dr. Ruth (6) • Moretele (6) • Dr Kenneth Kaunda DM (3) • JB Marks(1) • Maguassi Hill(1) • Matlosana (1)	10 • Kgetleng (4) • Madibeng (3) • Ngaka Modiri Molema (3) • Dr. Ruth (0) • Moretele (0) • Dr Kenneth Kaunda DM (0)	10 • Kgetleng (4) • Madibeng (3) • Ngaka Modiri Molema (3) • Dr. Ruth (0) • Moretele (0) • Dr Kenneth Kaunda DM (0)	16 • Kgetleng (4) • Madibeng (3) • Ngaka Modiri Molema (3) • Dr. Ruth (6) • Moretele (0) • Dr Kenneth Kaunda DM (0)	31 • Kgetleng (8) • Madibeng (3) • Ngaka Modiri Molema (5) • Dr. Ruth (6) • Moretele (6) • Dr Kenneth Kaunda DM (3) • JB Marks(1) • Maguassi Hill(1) • Matlosana (1)
Northern Cape	**0**	-	0	0	0	0
Western Cape	**0**	-	0	0	0	0
Sub-Total	**37**	-	**12**	**38**	**42**	**57**
TOTAL (Schedule 5B + 6B)	**347**		**149**	**192**	**255**	**271**

PPI No 3.8.2: 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	**20**	• O.R. Tambo(3) • Chris Hani (4) • Joe Gqabi (3) • Amathole (5) • Alfred Nzo (4) • Blue Crane (1)	20 • O.R. Tambo(3) • Chris Hani (4) • Joe Gqabi (3) • Amathole (5) • Alfred Nzo (4) • Blue Crane (1)	0	0	0
Free State	19	• Metsimaholo (1) • Moqhaka (1) • Ngwathe (3) • Mafube (1) • Tokologo (1) • Maluti a Phofung (2) • Dithlabeng (1) • Phumelela (3) • Setsoto (1) • Mantsopa (1) • Mohokare (1)	4 • Ngwathe (1) • Mantsopa (1) • Dithlabeng (1) • Phumelela (1)	4 • Moqhaka (1) • Mafube (1) • Maluti a Phofung (1) • Phumelela (1)	7 • Ngwathe (3) • Tokologo (1) • Maluti a Phofung (1) • Phumelela (1) • Mantsopa (1)	4 • Metsimaholo (1) • Dithlabeng (1) • Phumelela (1) • Setsoto (1)
Gauteng	**9**	• Lesedi LM (2) • Midvaal (2) • Mogale City (2) • Merafong City (2) • Rand West (1)	0	2 • Midvaal (2)	5 • Lesedi LM (2) • Mogale City (2) • Rand West (1)	2 • Merafong City (2)
KwaZulu-Natal	**12**	• uMkhanyakude (4)	0	0	0	12 • uMkhanyakude (2)

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
		• Ugu (1) • Harry Gwala (6) • uThukela (2) • Amajuba (1) • uMgungundlovu (1) • uMzinyathi (2) • Newcastle (1)				• Ugu (1) • Harry Gwala (3) • uThukela (1) • uMzinyathi (3) • Zululand (2)
Limpopo	**0**	0	0	0	0	0
Mpumalanga	**11**	• Mkhondo (2) • Emalahleni (1) • Pixley (1) • Steve Tshwete (1) • Thembisile (1) • Emakhazeni (2) • Thaba Chweu (1) • Msukaligwa (2)	10 • Mkhondo (2) • Emalahleni (1) • Pixley (1) • Steve Tshwete (1) • Thembisile (1) • Emakhazeni (2) • Thaba Chweu (1) • Msukaligwa (1)	1 • Msukaligwa (1)	0	0
Northern Cape	**5**	• Siyancuma (1) • Sol Plaatje (1) • Gamagara (2) • Umsobomvu (1)	0	1 • Umsobomvu (1)	4 • Siyancuma (1) • Sol Plaatje (1) • Gamagara (2)	0
North West	**17**	• Rusternburg LM (2) • Moses Kotane (3) • Dr. Ruth (9) • Moretele (3)	17 • Rusternburg LM (2) • Moses Kotane (3) • Dr. Ruth (9) • Moretele (3)	0	0	0
Western Cape	**4**	• Matzikamma (1) • Oudtshoorn (1) • Cederberg (1) • Kannaland (1)	0	0	4 • Matzikamma (1) • Oudtshoorn (1) • Cederberg (1) • Kannaland (1)	0
Schedule 6B						
Eastern Cape	**0**	-	-	-	-	-
Free State	**0**	-	-	-	-	-
Gauteng	**0**	-	-	-	-	-
KwaZulu-Natal	**0**	-	-	-	-	-
Limpopo	**0**	-	-	-	-	-
Mpumalanga	**0**	-	-	-	-	-
Northern Cape	**0**	-	-	-	-	-
North West	8	• Kgetleng (3) • Ngaka Modiri(4) • Madibeng (1)	0	0	0	8 • Kgetleng (3) • Ngaka Modiri(4) • Madibeng (1)
Western Cape	**0**	-	-	-	-	-
Total	**105**		**51**	**8**	**20**	**26**

PPI 3.8.3 (a) Number of intervention projects implemented [COVID-19]

No.	Region	Scope	Status	Comment
1.	Eastern Cape	The Eastern Cape team are to assist the various district municipalities in determining methods for filling the covid -19 emergency tanks more sustainably. This involves site investigations for determining what source of water would be most practical and beneficial for the project and the communities.	Site visit for scoping of one District Municipality (Alfred Nzo) exercise will commence 17-21 August 2020. 7 BoQ sent to Region for review. Next site visit for 10 to 15 villages planned for 28 September to 2 October 2020	7 projects ready for construction. Head-Office Tech Team is requesting Technical Team from Eastern Cape to assist with other Villages and Yeild Determination.
2.	Free State	Tanks installed (30 claimed) need to be connected to nearby water source identified. Construction of outstanding brick jojo tanks stands in Tokologo, Letseeng, Tswelopele, Dihlabeng, Mohokare, and Nala Local Municipalities.	Construction is on site together with National Engineering colleagues as well as regional engineers, to ensure that everyone is on the same page before Construction Unit starts.	40 Projects ready for construction
3.	Gauteng	No confirmation received from region.	No confirmation received from region. Region stated that they will confirm projects with municipalities once budget allocation with municipalities is confirmed	0 project ready
4.	Kwa-Zulu Natal	Still developing scope with the Regional Office. 1200 allocated to region but only 190 installed	Discussions underway with the region to organise stakeholder engagement meetings as soon as possible. Team will be in the province from 28 September 2020	0 project ready. Teams are ready to deploy to the region to conduct scoping
5.	Limpopo	Limpopo technical team to assist with technical evaluation of existing and/or prospective pipelines and other water sources (i.e. Water tanks and boreholes). Limpopo Technical to also assist with the implementation of the covid-19 water supply plans made by the Regional Head of Limpopo.	No confirmation received from region. Region stated that they will confirm projects with municipalities once budget allocation with municipalities is confirmed	0 project ready
6.	Mpumalanga	DWS conducted site visit in Ehlanzeni region and most parts in that region would require boreholes as alternative water source due to inadequate supply from the existing reticulation system. 503 tanks identified in the region. 310 scoped	140 Ehlanzeni and 170 Gert - Sibande district municipality	310 tanks ready for construction. comprehensive report shall be table soon
7.	North West	North West technical team to assist in verifying and identifying existing regional plan for the installed water tank and water resource.	No confirmation received from region. Region stated that they will confirm projects with municipalities once budget allocation with municipalities is confirmed. Planning to visit in the week 28 September 3 October 2020	0 Projects ready. Team will visit province 28 September 2020
8.	Northern Cape	NC technical team is compiling BOQ and technical specification. Site inspection to verify connection to existing supply has been successfully completed	50 tanks have been scoped by the region and are ready for construction. 30 more still to be scoped	50 tank BoQ, technical specification and layout drawings has been sent to construction
9.	Western Cape	Regional Director requested for information from municipalities, all information will be consolidated by the 31 August 2020. Scope will be confirmed based on information received and technical assistance will be required from ES for implementation.	25 projects scopes submitted. Inauguration meeting between Construction unit and WC Infrastructure has already taken place. Only waiting for the budget to be loaded.	25 projects ready for construction
Total				**432**

PPI No 3.8.4: Number of existing bucket sanitation backlog systems in formal settlements replace with adequate sanitation services per year

Provinces	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Free State	**3 379**	Clocolan	500	2 879	-	-
	2 435	Senekal	400	2 035	-	-
	218	Ficksburg	-	218	-	-
	960	Petrus Steyn	100	860	-	-
	739	Reitz	50	689	-	-
	1 192	Arlington	100	1 092	-	-
	1 279	Dealesville	200	1 079	-	-
Sub-Total	**10 202**		1 350	8 852	-	-
Northern Cape	**596**	Campbell	50	546	-	-
Sub-Total	**596**	-	50	546	-	-
Total	**10 798**	-	1 400	9 398	-	-

Programme 4: Water Sector Regulation

PPI No 5.1.1: Number of water users monitored for compliance

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Mining Sector (72)						
Free State	**9**	• Anglo Gold – Mine Waste Solutions (Chemwes) • De Beers – Voorspoed • Sibanye Gold • Blue Diamond Mines – Koffiefontein Diamond Mine • Chinese Africa Precious Metals (CAPAM) • Jagersfontein Diamond Tailings • Harmony Mine Operations – Welkom • Harmony Mine Operations – Odendaalsrus/ Allanridge • Tau Lekoa Gold Mining Company (Pty) Ltd	2 • Anglo Gold – Mine Waste Solutions (Chemwes) • De Beers – Voorspoed	3 • Sibanye Gold • Blue Diamond Mines – Koffiefontein Diamond Mine • Chinese Africa Precious Metals (CAPAM)	2 • Jagersfontein Diamond Tailings • Harmony Mine Operations – Welkom	2 • Harmony Mine Operations – Odendaalsrus/ Allanridge • Tau Lekoa Gold Mining Company (Pty) Ltd
Gauteng	**10**	• New Vaal Colliery • Msobo Coal • Anglo Mine • Aquarella Investments 389 (Pty) Ltd: Steelpoort Clay • Corobrick (Pty) Ltd • Mintails Mining • Newshelf 1186 (Pty) Ltd: Con Modder Gold Minig • Cooke 1 plant • African Brick – Kurgersdorp • Kloof Mine	**3** • New Vaal Colliery • Msobo Coal • Anglo Mine	4 • Aquarella Investments 389 (Pty) Ltd: Steelpoort Clay • Corobrick (Pty) Ltd • Mintails Mining • Newshelf 1186 (Pty) Ltd: Con Modder Gold Minig	**1** • Cooke 1 plant	**2** • African Brick Kurgersdorp • Kloof Mine
KZN	**3**	• Ikhwezi Doornkop Colliery • Zinoju Aviemore Colliery • Umzimkhulu Industrial Holding (Pty) Ltd: Rossmin	**2** • Ikhwezi Doornkop Colliery • Zinoju Aviemore Colliery Umzimkhulu	-	**1** • Umzimkhulu Industrial Holding (Pty) Ltd: Rossmin	-
Limpopo	**16**	• Tshikondeni Coal Mine • Exxaro (Thabametsi) • DMI Minerals South Africa (Pty) Ltd: Krone and Endora Project • Limpopo Coal Company: Vele Colliery • Eloff Sandwerke (BK) • De Beers Consolidating	**5** • Tshikondeni Coal Mine • Exxaro (Thabametsi) • DMI Minerals South Africa (Pty) Ltd: Krone and Endora	**6** • De Beers Consolidating Mines (Venetia Mine) • Akanani Mining • Ledjadja Coal: Boikarabelo Mine	**3** • Afrimat Ltd (Quarry) • Tivani • Exxaro - Grootegeluk Coal Mine	**2** • Ivanplats • Mogalakwena Platinum Mine

Province	Total number	Names	Performance per quarter			
			Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
		Mines (Venetia Mine) • Akanani Mining • Ledjadja Coal: Boikarabelo Mine • Baobab Mining and Exploration • Grassvalley Chrome Mine (Pty) Ltd • Ga re Lekeng gape Construction • Afrimat Ltd (Quarry) • Tivani • Exxaro - Grootegeluk Coal Mine • Ivanplats • Mogalakwena Platinum Mine	Project • Limpopo Coal Company: Vele Colliery • Eloff Sandwerke (BK)	• Baobab Mining and Exploration • Grassvalley Chrome Mine (Pty) Ltd • Ga re Lekeng gape Construction		
Mpumalanga	**17**	• Perisat Investments (Pty) Ltd: Rirhandzu • Exxaro: New Clydesdale Colliery • Silicon Smelters (Ferroatlantica Group): Emalahleni Smelters • Glencore Operations SA (Pty) Ltd: Lion Smelters • Frik Geyser Klip& Sand &Machero Quarry • Delmas Colliery: Kuyasa Mining • Nkomati Mine: African Rainbow Minerals JV • Glencore Xstrata Magarang Section • AquavalLandgoed cc T/a Afrisand and stone • Clewer Sand • Transvaal Gold Mining Estates • Tubatse Quartzite Mine • Samancor Eastern Chrome mine Lannex • Samquarz – ThabaChueu Mining (Pty) Ltd – Delmas • African Rainbow Minerals: Two Rivers Platinum Mine • Foskor (Pty) Ltd Mining Division • Palaborwa Copper Mine (Pty) Ltd	**5** • Perisat Investments (Pty) Ltd: Rirhandzu • Exxaro: New Clydesdale Colliery • Silicon Smelters (Ferroatlantica Group): Emalahleni Smelters • Glencore Operations SA (Pty) Ltd: Lion Smelters • Frik Geyser Klip& Sand &Machero Quarry	**5** • Delmas Colliery: Kuyasa Mining • Nkomati Mine: African Rainbow Minerals JV • Glencore Xstrata Magarang Section • AquavalLandgoed cc T/a Afrisand and stone • Clewer Sand	**5** • Transvaal Gold Mining Estates • Tubatse Quartzite Mine • Samancor Eastern Chrome mine Lannex • Samquarz – ThabaChueu Mining (Pty) Ltd – Delmas • African Rainbow Minerals: Two Rivers Platinum Mine	**2** • Foskor (Pty) Ltd Mining Division • Palaborwa Copper Mine (Pty) Ltd
North West	**6**	• Chemstof (Pty) Ltd Bokfontein Mine • Evraz Vametco Alloys (Pty) Ltd • Pandora Platinum Mine • Xstrata Alloys/ Glencore Vanadium Division Rhovan Operation • Sky Chrome Mine • Glencore Operations Kroondal Chrome Mine	**2** • Chemstof (Pty) Ltd Bokfontein Mine • Evraz Vametco Alloys (Pty) Ltd	**1** • Pandora Platinum Mine	**2** • Xstrata Alloys/ Glencore Vanadium Division Rhovan Operation • Sky Chrome Mine	**1** • Glencore Operations Kroondal Chrome Mine
Northern Cape	**7**	• Sedibeng Iron Ore • Petra Diamonds Finch Mine WUL • Kudumane Manganese Resources • North Cape Mine • African Star Minerals • Sishen Mine • Thunderflex 78	**3** • Sedibeng Iron Ore • Petra Diamonds Finch Mine WUL • Kudumane Mananese Resources	**2** • North Cape Mine • African Star Minerals	-	**2** • Sishen Mine • Thunderflex 78
Western Cape	**4**	• Elandsfontein Mine • Tronox Mine: MSP	**1** • Elandsfontein	**3** • Tronox Mine:	-	-

Province	Total number	Names	Performance per quarter			
			Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
		• Tronox: Smelter • Tronox Mine: Mine	Mine	MSP • Tronox: Smelter • Tronox Mine: Mine		
Sub-Total	**72**		**23**	**24**	**14**	**11**
Agriculture (Irrigation) (68)						
Eastern Cape	**10**	• Blue Gums Trust • A de Klerk • Amberdene Trust • W Williams • JG Daws • Burlington Famring (Pty) Ltd • Sur Le Sun Boerdery cc • Christ Greeff Family Trust • Rossouw van Gend Trust • Inqu Properties	**3** • Blue Gums Trust • A de Klerk • Amberdene Trust	**3** • W Williams • JG Daws • Burlington Farming (Pty) Ltd	**4** • Sur Le Sun Boerdery cc • Christ Greeff Family Trust • Rossouw van Gend Trust • Inqu Properties	-
Free State	**5**	• JJ van Lingen Family Trust • WJ Liebenberg • Mick Quin Family Trust • Frieda Trust • Amigystic Investments (Pty) Ltd	**1** • JJ van Lingen Family Trust	**1** • WJ Liebenberg	**1** • Mick Quin Family Trust	**2** • Frieda Trust • Amigystic Investments (Pty) Ltd
Gauteng	**7**	• Maruo Farm (Pty) Ltd: Fish farming and irrigation of crops • Emfuleni Community sanitation initiative: Irrigation with treat waste water • H Naude – De Brug Susan 210 BE • CP Eeindomme: Abstraction and Storing • Hall Hills Farm • Kingfisher Property (Pty) Ltd: Red farm Agric Park • Emeral Safari Resort (Pty) Ltd	**3** • Maruo Farm (Pty) Ltd: Fish farming and irrigation of crops • Emfuleni Community sanitation initiative: Irrigation with treat waste water • H Naude – De Brug Susan 210 BE	**3** • CP Eeindomme: Abstraction and Storing • Hall Hills Farm • Kingfisher Property (Pty) Ltd: Red farm Agric Park	**1** • Emeral Safari Resort (Pty) Ltd	**-**
KZN	**3**	• Crystal Cascades Properties 7 (Pty) Ltd • Mr WGWV Diemeyer • RG Johnson	**1** • Crystal Cascades Properties 7 (Pty) Ltd	**1** • Mr WGWV Diemeyer	**1** • RG Johnson	-
Limpopo	**21**	• Greenway Farms Property Ltd • Stilhoek Boerdery cc • African Caribean Aloe Product (Pty) Ltd • Kuno Venter Family Trust • DF Du Plessis • Palm Tree Agricultural • Overvlakte Vervoer cc • Tedo Beleggings 6 (Eindoms) Beperk • JM Pieterse • Lickos Investments • Optimum Boerdery • Shakila Investment • R and Civil Projects • 3 De Nellen Boerdery • AJJ van der Westhuizen • Basson Family • Prellex 280 • Vogel PL • Counter Point Trading 323 • JA van Rooyen • Messina Border	**6** • Greenway Farms Property Ltd • Stilhoek Boerdery cc • African Caribean Aloe Product (Pty) Ltd • Kuno Venter Family Trust • DF Du Plessis • Palm Tree Agricultural	**6** • Overvlakte Vervoer cc • Tedo Beleggings 6 (Eindoms) Beperk • JM Pieterse • Lickos Investments • Optimum Boerdery • Shakila Investment	**4** • R and Civil Projects • 3 De Nellen Boerdery • AJJ van der Westhuizen • Basson Family	**5** • Prellex 280 • Vogel PL • Counter Point Trading 323 • JA van Rooyen • Messina Border Properties

Province	Total number	Names	Performance per quarter			
			Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
		Properties				
Mpumalanga	**1**	• Ohrigstad Bate Bestuur	-	**1** • Ohrigstad Bate Bestuur	**-**	**-**
North West	**4**	• Mr L de Vries • Family Trust – EC Pienaar • Ja – Ne Trust • Golden Pond Trading 634 (Pty) Ltd	**1** • Mr L de Vries	**1** • Family Trust – EC Pienaar	**1** • Ja – Ne Trust	**1** • Golden Pond Trading 634 (Pty) Ltd
Northern Cape	Northern Cape	**12**	• Triple D Farms (Kakamas) • JJ Greyling • JF van der Merwe • Blue Moonlight Properties 43 • Ivanco Inv • Wildehoenderkraal • Wes Ruim Boerdery • HCH Muller • Sonvrucht/ Badirammogo Trust • Nyama Yethu Holdings • Darwo Trading Nr 60 (Orange-Vaal) • Backhouse Landgoed (Orange-Vaal)	**1** • Triple D Farms (Kakamas)	-	**7** • JJ Greyling • JF van der Merwe • Blue Moonlight Properties 43 • Ivanco Inv • Wildehoenderkraal • Wes Ruim Boerdery • HCH Muller
Western Cape	**5**	• Arnelia Farm cc • Rapula Farming • Mr HA Tallie • Turnado Investment • AJ van Zyl Trust	**2** • Arnelia Farm cc • Rapula Farming	**2** • Mr HA Tallie • Turnado Investment	**1** • AJ van Zyl Trust	-
Sub-Total	**68**		**18**	**18**	**20**	**12**
Agriculture (Processing) (13)						
Eastern Cape	**1**	• Matshibele Dairy	-	**1** • Matshibele Dairy	**-**	-
Gauteng	**1**	• Goldi (Early Bird farm)	-	**1** • Goldi (Early Bird farm)	-	=
Limpopo	**6**	• Mr R Hobbs • Purple Box Trading • De Lunds Farms • Francolin Hill Trust • Diamond Trust • Sisismuka Trust	**1** • Mr R Hobbs	**2** • Purple Box Trading • De Lunds Farms	**1** • Francolin Hill Trust	**2** • Diamond Trust • Sisismuka Trust
Mpumalanga	**1**	• Alzu Feeds	-	**1** • Alzu Feeds	-	**-**
Northern Cape	**1**	• BeefmasterAbbatoir	**1** • BeefmasterAbbatoir	-	-	-
Western Cape	**3**	• Country Fair • Medallion Mushrooms • EF Thompson & Son BK	-	**3** • Country Fair • Medallion Mushrooms • EF Thompson & Son BK	-	-
Sub-Total	**13**		**2**	**8**	**1**	**2**
Industry (34)						
Gauteng	**9**	• Cape Gate Pty (Ltd) • Take 5 Borehole Abstraction • Grootvlei Power Station • National Ceramic Industries SA (Pty) Ltd:	**3** • Cape Gate Pty (Ltd) • Take 5 Borehole Abstraction	**3** • National Ceramic Industries SA (Pty) Ltd: Phoenix factory	**1** • Harsco Metal	**2** • South 32 Coal Holdings (Pty) Ltd: Ermelo Industrial Complex

Province	Total number	Names	Performance per quarter			
			Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
		Phoenix factory • Frys Metal (Pty) Ltd • Eskom Holding SOC Ltd: Majuba Power Station Ash Dump Dams • Harsco Metal • South 32 Coal Holdings (Pty) Ltd: Ermelo Industrial Complex (Ermelo Dump and Processing Plant) • Mogale Alloys	• Grootvlei Power Station	• Frys Metal (Pty) Ltd Eskom Holding SOC Ltd: Majuba Power Station Ash Dump Dams		(Ermelo Dump and Processing Plant) • Mogale Alloys
KZN	**2**	• RBT Resources (Pty) Ltd • Normandien Farms (Pty) Ltd: Thirsti Bottling	-	**1** • RBT Resources (Pty) Ltd	**1** • Normandien Farms (Pty) Ltd: Thirsti Bottling	-
Limpopo	**10**	• Rhodes Food Group • Polokwane Metallurgical Complex (PMC) • Eskom: Matimba Power Station • Silicon Smelters Ferro Atlantica Group • Tobivox • Sekakopamo Manufacturing • Tiger Brands • MAG group of companies • Eskom: Medupi Power Station	**1** • Rhodes Food Group	**3** • Polokwane Metallurgical Complex (PMC) • Eskom: Matimba Power Station	**2** • Silicon Smelters Ferro Atlantica Group • Tobivox	**4** • Sekakopamo Manufacturing • Tiger Brands • MAG group of companies • Eskom: Medupi Power Station
Mpumalanga	**2**	• Highveld Steel and Vanadium • Columbus Stainless (Pty) Ltd	-	**1** • Highveld Steel and Vanadium	-	**1** • Columbus Stainless (Pty) Ltd
North West	**4**	• Amava Chrome • Bakwena Platinum Corridor Consortium • Aquasure • Gencore South Africa Wonderkop Operations	**1** • Amava Chrome	**1** • Bakwena Platinum Corridor Consortium	**1** • Aquasure	**1** • Gencore South Africa Wonderkop Operations
Northern Cape	**4**	• KHI Solar One RF • Kalahari Solar • Xina Solar One RF • Kaxu Solar One (RF) Proprietary Ltd	**1** • KHI Solar One RF	**2** • Kalahari Solar • Xina Solar One RF	-	**1** • Kaxu Solar One (RF) Proprietary Ltd
Western Cape	**3**	• Astron Energy • Fast Pulse Trading • Strategic Fuel fund	**1** • Astron Energy	**2** • Fast Pulse Trading • Strategic Fuel fund	-	-
Sub-Total	**34**		**7**	**13**	**5**	**9**
Forestry (SFRA) (14)						
Gauteng	**1**	• Enstra Paper (Pty) Ltd: Enstra Paper	-	-	**1** • Enstra Paper (Pty) Ltd: Enstra Paper Operation	-
KZN	**2**	• Mondi Shanduka Newsprint (Pty) Ltd • Mondi Forests Ltd: Melmoth	-	**1** • Mondi Shanduka Newsprint (Pty) Ltd	**1** • Mondi Forests Ltd: Melmoth	-
Limpopo	**8**	• CR Wiggel • MK Smit • Gillet-Roger Family • Dennis Tompson Farms • Steve Schoeman Beherend • PR Baragwanath • Bellerive Forests • EM Baker	**2** • CR Wiggel • MK Smit	**2** • Giller-Roger Family • Dennis Tompson Farms	**2** • Steve Schoeman Beherend • PR Baragwanath	**2** • Bellerive Forests • EM Baker
Mpumalanga	**1**	• Mokobulaan Plantations (Pty) Ltd	-	**1** • Mokobulaan	-	**-**

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
				Plantations (Pty) Ltd		
Western Cape	2	• Mountain to Ocean: Grabouw • Bokberg Boerdery	-	1 • Mountain to Ocean: Grabouw	-	1 • Bokberg Boerdery
Sub-Total	14		2	5	4	3
Public Institutions (17)						
Eastern Cape	5	• Mjanyana Hospital • All Saints Hospital • Bedford Hospital • St Albans Correctional Services • Storms Rriver SAPS	4 • Mjanyana Hospital • All Saints Hospital • Bedford Hospital • St Albans Correctional Services	-	1 • Storms Rriver SAPS	-
Free State	4	• Public Works: Caledonspoort WWTW • Public Works: Maseru Bridge WWTW • Wepener Border Post WWTW and WTW • Public Works: Peka Bride WWTW and WTW	1 • Public Works: Caledonspoort WWTW	1 • Public Works: Maseru Bridge WWTW	1 • Wepener Border Post WWTW and WTW	1 • Public Works: Peka Bride WWTW and WTW
Gauteng	1	• Transnet SOC	-	-	-	1 • Transnet SOC
Limpopo	2	• Dept of Public Works: Matatshe Prison • Dept of Public Works: Beitbridge WWTW	1 • Dept of Public Works: Matatshe Prison	1 • Dept of Public Works: Beitbridge WWTW	-	-
Mpumalanga	1	• Lepelle Northern Water: Olifantspoort Water Supply Scheme: Water Board: Water supple scheme	-	1 • Lepelle Northern Water: Olifantspoort Water Supply Scheme: Water Board: Water supple scheme	-	-
North West	2	• The South African national Roads Agency SOC Ltd • Department of Public Works: Sedumedi Primary School	1 • The South African national Roads Agency SOC Ltd	-	1 • Department of Public Works: Sedumedi Primary School	-
Western Cape	2	• Paardeberg Prison • Eskom Goeverwacht Village	1 • Paardeberg Prison	1 • Eskom Goeverwacht Village	-	-
Sub-Total	17		8	4	3	2
Municipality (WWTW) (45)						
Eastern Cape	14	• Mthatha • Elliot • Port St Johns • Kelvin Jones • Seymour • Middleburg • Prentjiesburg • Kenton on sea • Graaf-Reinet • Amabele • Somerset East • Humansdorp/ KwaNomzamo • Cove Rock Estate WWTW • Mpekweni Resort	5 • Mthatha • Elliot • Port St Johns • Kelvin Jones • Seymour	5 • Middleburg • Prentjiesburg • Kenton on sea • Graaf-Reinet • Amabele	2 • Somerset East • Humansdorp/ KwaNomzamo	2 • Cove Rock Estate WWTW • Mpekweni Resort
Gauteng	11	• ERWAT: Herbet Bickly Waste Water Treatment Works	2 • ERWAT: Herbet Bickly	4 • Hannes van Niekerk	3 • Ratanda WWTW	2 • Nketoana LM: Reitz

Province	Total number	Names	Performance per quarter			
			Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
		• Flip Human WWTW • Hannes van Niekerk • Embalenhle WWTW • East Rand Water Care Company: Rondebult WWTW • Midvaal Local Municipality: Vaal Marina • Ratanda WWTW • Johannesburg Water (SOC) Ltd: Bushkoppies WWTW • Memel Oxidation Ponds • Nketoana LM: Reitz • Cornelia WWTW	Waste Water Treatment Works • Flip Human WWTW	• Embalenhle WWTW • East Rand Water Care Company: Rondebult WWTW • Midvaal Local Municipality: Vaal Marina	• Johannesburg Water (SOC) Ltd: Bushkoppies WWTW • Memel Oxidation Ponds	• Cornelia WWTW
KZN	**2**	• Ilembe District Municipality: Fraser's WWTW • Umzinyathi District Municipality: Greytown WWTW	-	-	-	**2** • Ilembe District Municipality: Fraser's WWTW • Umzinyathi District Municipality: Greytown WWTW
Limpopo	**4**	• Vhembe District Municipality: Thohoyandou WWTW • Makhado: Rietvlei • Boschhoek Mountain Eco Estate • Verloren Lifestyle Estate	**1** • Vhembe District Municipality: Thohoyandou WWTW	**1** • Makhado: Rietvlei	**1** • Boschhoek Mountain Eco Estate	**1** • Verloren Lifestyle Estate
Mpumalanga	**2**	• Lydenburg • Ferrobank	**1** • Lydenburg	**0**	**0**	**1** • Ferrobank
North West	**5**	• Madibeng LM: Rietfontein WWTW • Rustenburg LM: Lethabong WWTW • Madibeng LM: Kosmos Ridge • Thabazimbi Muncipality: Northarm WWTW • Mogale City Magaliesburg WWTW	**1** • Madibeng LM: Rietfontein WWTW	**2** • Rustenburg LM: Lethabong WWTW • Madibeng LM: Kosmos Ridge	**1** • Thabazimbi Muncipality: Northarm WWTW	**1** • Mogale City Magaliesburg WWTW
Northern Cape	**3**	• Schweiser Reneke WWTW • Delareyville • Aggeneys	**2** • Schweiser Reneke WWTW • Delareyville	**1** • Aggeneys	-	-
Western Cape	**4**	• Matsikama: Vredendal North WWTW • Matsikama: Vredendal South WWTW • City of Cape Town: Fisantekraal WWTW • Berg Rivier Municipality: Porterville WWTW	**1** • Matsikama: Vredendal North WWTW	**1** • Matsikama: Vredendal South WWTW	**2** • City of Cape Town: Fisantekraal WWTW • Berg Rivier Municipality: Porterville WWTW	-
Sub-Total	**45**		**13**	**14**	**9**	**9**
Municipality (Landfill) (5)						
Mpumalanga	**2**	• Witbank • Burgersfort	**1** • Witbank	**1** • Burgersfort	-	-
Western Cape	**3**	• Clanwilliam Landfill site • Citrusdal Landfill site • PPC Waste disposal site	-	**2** • Clanwilliam Landfill site • Citrusdal Landfill site	**1** • PPC Waste disposal site	-
Sub-Total	**5**		**1**	**3**	**1**	**-**
Dam Safety (65)						

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
Eastern Cape	**13**	• Langfontein Dam 2 • Stormsrivier Dam 2 • Rondawel Dam • Groot Dam • Holding Reservoir • Jaydee Dam • Avonleigh Dam • Black Ginger Dam • Wit Dam (Thomas Dam) • Nuwejaarsdam (New Years Dam) • Belmonth Dam 1 • Peninsula Dam • Blueberry Hill Dam (Prev. Tomatoe Dam)	**5** • Langfontein Dam 2 • Stormsrivier Dam 2 • Rondawel Dam • Groot Dam • Holding Reservoir	**4** • Jaydee Dam • Avonleigh Dam • Black Ginger Dam • Wit Dam (Thomas Dam)	**4** • Nuwejaarsdam (New Years Dam) • Belmonth Dam 1 • Peninsula Dam • Blueberry Hill Dam (Prev. Tomatoe Dam)	-
Free State	**3**	• Townlands • Aasvoelkrans Dam (Was Boschhoek) • Molteno Dam	-	**3** • Townlands • Aasvoelkrans Dam (Was Boschhoek) • Molteno Dam	-	-
Gauteng	**2**	• Adma Dam • Nigel Dam	**1** • Adma Dam	**1** • Nigel Dam	-	-
KZN	**12**	• Nagle Dam (Mainwall) • Henley Dam • Sankunzi Dam • Tom Worthington Dam • Donald McHardy Dam • Upper Mpati Dam • Lower Mpati Dam • Dudley Pringle Dam • Baynesfield Dam • Outlook Dam • Middleton Dam • Drakensberg Sun Dam	**3** • Nagle Dam (Mainwall) • Henley Dam • Sankunzi Dam	**5** • Tom Worthington Dam • Donald McHardy Dam • Upper Mpati Dam • Lower Mpati Dam • Dudley Pringle Dam	**1** • Baynesfield Dam	**3** • Outlook Dam • Middleton Dam • Drakensberg Sun Dam
Limpopo	**6**	• Mukumbani Dam • Mambei Lower Dam • Dikgale Dam • Eureka Onder Dam • Tom Mitchell (Prev Steenbras No1) • Mabete Onder Dam	**1** • Mukumbani Dam	**2** • Mambei Lower Dam • Dikgale Dam	**2** • Eureka Onder Dam • Tom Mitchell (Prev Steenbras No1)	**1** • Mabete Onder Dam
Mpumalanga	**4**	• Driefontein Dam • Bo-Pomp Dam • Rondeboscje Dam • Klipfontein Dam	**1** • Driefontein Dam	**1** • Bo-Pomp Dam	**1** • Rondeboscje Dam	**1** • Klipfontein Dam
North West	**4**	• North Dam • South Dam • Randjieslaagte Reservoir • Olifantspruit – Boonste Dam	**2** • North Dam • South Dam	**2** • Randjieslaagte Reservoir • Olifantspruit – Boonste Dam	-	-
Northern Cape	**2**	• Modderpoort Dam • Lake Grappa Dam	-	**2** • Modderpoort Dam • Lake Grappa Dam	-	-
Western Cape	**19**	• New dam • Old Dam • Platteklоof Reservoir • Boplaas-Sallie Dam • Boplaas-Diep Dam • Keurbos Dam • Land-en-Zeezicht Dam • Steenbras Lower Dam • Kleinfontein-Wilge Dam • Groot Dam	**5** • New dam • Old Dam • Platteklоof Reservoir • Boplaas-Sallie Dam • Boplaas-Diep Dam	**5** • Keurbos Dam • Land-en-Zeezicht Dam • Steenbras Lower Dam • Kleinfontein-Wilge Dam • Groot Dam	**5** • Steenbras Upper Dam • Kirstenbosch Dam • Ginakloof Dam • Colin se Dam • Van der Merwe No1 Dam	**4** • L'Avenir Dam • Boskloof Dam • De Grootte Zalze Dam • Trap se Dam

Province	Total number	Names	Performance per quarter			
			Quarter 1	Quarter 2	Quarter 3	Quarter 4
		• Steenbras Upper Dam • Kirstenbosch Dam • Ginakloof Dam • Colin se Dam • Van der Merwe No1 Dam • L'Avenir Dam • Boskloof Dam • De Grootte Zalze Dam • Trap se Dam				
Sub-Total	**65**		**18**	**25**	**13**	**9**
Total	**333**		**92**	**114**	**70**	**57**

PP1 5.1.3 Number of wastewater supply systems assessed for compliance with the Green Drop Regulatory requirements

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
1.	-	Sasol Synfuels	Sasol-Synfuels Secunda WWTW	483	KwaZulu-Natal	Ugu District Municipality	Harding
2.	-	Sasol Synfuels	Sasol Infrachem Sasolburg	484	KwaZulu-Natal	Ugu District Municipality	KwaMbonwa
3.	-	Sun City Resort	Sun City WWTW	485	KwaZulu-Natal	Ugu District Municipality	Malangeni
4.	-	Nedbank	Nedbank Olwazini WWTW	486	KwaZulu-Natal	Ugu District Municipality	Margate
5.	-	Kruger National Park	Shingwedzi WWTW	487	KwaZulu-Natal	Ugu District Municipality	Umbango
6.	-	Kruger National Park	Skukuza WWTW	488	KwaZulu-Natal	Ugu District Municipality	Melville
7.	-	Kruger National Park	Tshokwane WWTW	489	KwaZulu-Natal	Ugu District Municipality	Munster
8.	-	Kruger National Park	Malelane WWTW	490	KwaZulu-Natal	Ugu District Municipality	Ramsgate
9.	-	Kruger National Park	Pretoriuskop WWTW	491	KwaZulu-Natal	Ugu District Municipality	Red Dessert
10.	-	Kruger National Park	Punda WWTW	492	KwaZulu-Natal	Ugu District Municipality	Scottburgh
11.	-	Kruger National Park	Satara WWTW	493	KwaZulu-Natal	Ugu District Municipality	Shelley Beach
12.	-	Kruger National Park	Lower Sabie WWTW	494	KwaZulu-Natal	Ugu District Municipality	Skogheim-Bhobhoyi
13.	-	Kruger National Park	Olifants WWTW	495	KwaZulu-Natal	Ugu District Municipality	Southbroom
14.	-	Kruger National Park	Orpen WWTW	496	KwaZulu-Natal	Ugu District Municipality	Umzinto
15.	-	Kruger National Park	Berg en Dal WWTW	497	KwaZulu-Natal	Ugu District Municipality	Uvongo
16.	-	Kruger National Park	WPS WWTW	498	KwaZulu-Natal	uMgungundlovu District Municipality	Applebosch Hospital
17.	-	Kruger National Park	Letaba WWTW	499	KwaZulu-Natal	uMgungundlovu District Municipality	Camperdown
18.	Eskom Power Station	Eskom Power Station	Camden Power Station WWTW	500	KwaZulu-Natal	uMgungundlovu District Municipality	Coolair
19.	Eskom Power Station	Eskom Power Station	Matla Power Station WWTW	501	KwaZulu-Natal	uMgungundlovu District Municipality	Howick
20.	Department of Public Works	Eastern Cape Mthatha	Cofimvaba CS	502	KwaZulu-Natal	uMgungundlovu District Municipality	Mooi River
21.	Department of Public Works	Eastern Cape Mthatha	Elliotdale CS	503	KwaZulu-Natal	uMgungundlovu District Municipality	Richmond
22.	Department of Public Works	Eastern Cape Mthatha	Elliotdale SAPS	504	KwaZulu-Natal	uMhlathuze Local Municipality	Empangeni
23.	Department of Public	Eastern Cape Mthatha	Engcobo CS	505	KwaZulu-Natal	uMhlathuze Local Municipality	Esikhawini

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
	Works						
24.	Department of Public Works	Eastern Cape Mthatha	Flagstaff CS	506	KwaZulu-Natal	uMhlathuze Local Municipality	Ngwelezana
25.	Department of Public Works	Eastern Cape Mthatha	Libode CS	507	KwaZulu-Natal	uMhlathuze Local Municipality	Nseleni
26.	Department of Public Works	Eastern Cape Mthatha	Lusikisiki CS	508	KwaZulu-Natal	uMhlathuze Local Municipality	Vulindlela
27.	Department of Public Works	Eastern Cape Mthatha	Maluti SAPS (Military base)	509	KwaZulu-Natal	uMkhanyakude District Municipality	Bethesda Hospital-Ubombo
28.	Department of Public Works	Eastern Cape Mthatha	Mthatha ACCU SAPS	510	KwaZulu-Natal	uMkhanyakude District Municipality	Hlabisa Hospital
29.	Department of Public Works	Eastern Cape Mthatha	Mthatha CS	511	KwaZulu-Natal	uMkhanyakude District Municipality	Hluhluwe
30.	Department of Public Works	Eastern Cape Mthatha	Mthatha 14SAI	512	KwaZulu-Natal	uMkhanyakude District Municipality	Ingwavuma-Mosvold Hospital
31.	Department of Public Works	Eastern Cape Mthatha	Mount Fletcher CS	513	KwaZulu-Natal	uMkhanyakude District Municipality	Jozini
32.	Department of Public Works	Eastern Cape Mthatha	Mqanduli CS	514	KwaZulu-Natal	uMkhanyakude District Municipality	KwaMsane
33.	Department of Public Works	Eastern Cape Mthatha	Mzamba SAPS	515	KwaZulu-Natal	uMkhanyakude District Municipality	Manguzi Hospital
34.	Department of Public Works	Eastern Cape Mthatha	Ngqamakhwe DCS	516	KwaZulu-Natal	uMkhanyakude District Municipality	Mtubatuba
35.	Department of Public Works	Eastern Cape Mthatha	Qunu Museum	517	KwaZulu-Natal	uMkhanyakude District Municipality	Mkhuze
36.	Department of Public Works	Eastern Cape Mthatha	Ntabankulu CS	518	KwaZulu-Natal	uMkhanyakude District Municipality	St Lucia Ponds
37.	Department of Public Works	Eastern Cape Mthatha	Willowvale CS	519	KwaZulu-Natal	uMsunduzi Local Municipality	Darvill
38.	Department of Public Works	Eastern Cape Port Elizabeth	Middeldrift Prison	52	KwaZulu-Natal	uMsunduzi Local Municipality	Lynnfield Park
39.	Department of Public Works	Eastern Cape Port Elizabeth	Heald Town Police Station	521	KwaZulu-Natal	uMzinyathi District Municipality	Dundee-Glencoe
40.	Department of Public Works	Eastern Cape Port Elizabeth	Debe Nek Police Station	522	KwaZulu-Natal	uMzinyathi District Municipalit	Greytown
41.	Department of Public Works	Eastern Cape Port Elizabeth	Die Blaar Housing Complex	523	KwaZulu-Natal	uMzinyathi District Municipalit	Nqutu New
42.	Department of Public Works	Eastern Cape Port Elizabeth	Storms River Police Station	524	KwaZulu-Natal	uMzinyathi District Municipalit	Pomeroy Ponds
43.	Department of Public Works	Eastern Cape Port Elizabeth	Kwaaibrandt Housing Complex	525	KwaZulu-Natal	uMzinyathi District Municipalit	Tugela Ferry
44.	Department of Public Works	Eastern Cape Port Elizabeth	Patensie Prison	526	KwaZulu-Natal	uThukela District Municipality	Ladysmith
45.	Department of Public	Eastern Cape Port Elizabeth	Kirkwood Prison	527	KwaZulu-Natal	uThukela District Municipality	Estcourt

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
	Works						
46.	Department of Public Works	Eastern Cape Port Elizabeth	Middleburg/ Grootfontein Agric College	528	KwaZulu-Natal	uThukela District Municipality	Colenso
47.	Department of Public Works	Eastern Cape Port Elizabeth	Albany Prison	529	KwaZulu-Natal	uThukela District Municipality	Bergville
48.	Department of Public Works	Eastern Cape Port Elizabeth	Bulembu SAPS Airport	530	KwaZulu-Natal	uThukela District Municipality	Winterton
49.	Department of Public Works	Free State	Bloemspruit	531	KwaZulu-Natal	uThukela District Municipality	Ekuvukeni
50.	Department of Public Works	Free State	Caledonspoort	532	KwaZulu-Natal	uThukela District Municipality	Ezakheni
51.	Department of Public Works	Free State	Goedemoed	533	KwaZulu-Natal	uThukela District Municipality	Weenen
52.	Department of Public Works	Free State	Groenpunt	534	KwaZulu-Natal	uThukela District Municipality	Wembezi
53.	Department of Public Works	Free State	Grootvlei	535	KwaZulu-Natal	uThungulu District Municipality	Catherine Booth Hospital
54.	Department of Public Works	Free State	Maseru Bridge	536	KwaZulu-Natal	uThungulu District Municipality	Ekhombe Hospital
55.	Department of Public Works	Free State	22 Field Unit	537	KwaZulu-Natal	uThungulu District Municipality	Ekuphumuleni Hospital
56.	Department of Public Works	Free State	Debrig/ DOD Mob Center	538	KwaZulu-Natal	uThungulu District Municipality	Gingindlovu Ponds
57.	Department of Public Works	Gauteng Pretoria	Zonderwater CS	539	KwaZulu-Natal	uThungulu District Municipality	King Dinizulu
58.	Department of Public Works	Gauteng Pretoria	Boekenhoutkloof Military Base	540	KwaZulu-Natal	uThungulu District Municipality	KwaBadala
59.	Department of Public Works	Gauteng Pretoria	CAT Military Base	541	KwaZulu-Natal	uThungulu District Municipality	Mbongolwane Hospital
60.	Department of Public Works	Gauteng Pretoria	Ditholo Military Base	542	KwaZulu-Natal	uThungulu District Municipality	Melmoth Ponds
61.	Department of Public Works	Gauteng Pretoria	Roodeplaat Dog School (SAPS)	543	KwaZulu-Natal	uThungulu District Municipality	MpushiniPonds
62.	Department of Public Works	Gauteng Pretoria	Thabatshwane Military Base	544	KwaZulu-Natal	uThungulu District Municipality	Mtunzini
63.	Department of Public Works	Gauteng Pretoria	Toitskraal	545	KwaZulu-Natal	uThungulu District Municipality	Nkandla
64.	Department of Public Works	Gauteng Pretoria	Wallmansthal Military Base	546	KwaZulu-Natal	uThungulu District Municipality	Oceanview
65.	Department of Public Works	Gauteng JHB	Devon	547	KwaZulu-Natal	Zululand District Municipality	Owen Sithole Agriculture College
66.	Department of Public Works	Limpopo	Acornhoek SAPS	548	KwaZulu-Natal	Zululand District Municipality	Ceza Hospital
67.	Department of Public	Limpopo	Beit Bridge Border Post	549	KwaZulu-Natal	Zululand District Municipality	Coronation

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
	Works						
68.	Department of Public Works	Limpopo	Hoedspruit Military Base-Main Works	550	KwaZulu-Natal	Zululand District Municipality	eDumbe-Paul Pietersburg
69.	Department of Public Works	Limpopo	Hoedspruit Boston Military Base	551	KwaZulu-Natal	Zululand District Municipality	eMondlo
70.	Department of Public Works	Limpopo	Hoedspruit Military Base-BVVA	552	KwaZulu-Natal	Zululand District Municipality	Hlobane
71.	Department of Public Works	Limpopo	Hoedspruit Military Base - HQ	553	KwaZulu-Natal	Zululand District Municipality	Itselejuba Hospital
72.	Department of Public Works	Limpopo	Hoedspruit Military Base - 8SQ	554	KwaZulu-Natal	Zululand District Municipality	Ulundi
73.	Department of Public Works	Limpopo	Hoedspruit Military Base - 19SQ	555	KwaZulu-Natal	Zululand District Municipality	Nkonjeni Hospital Ponds
74.	Department of Public Works	Limpopo	Hoedspruit Military Base - 85SQ	556	KwaZulu-Natal	Zululand District Municipality	Nongoma
75.	Department of Public Works	Limpopo	Hoedspruit Military Base - 400SQ	557	KwaZulu-Natal	Zululand District Municipality	Pongola
76.	Department of Public Works	Limpopo	Hoedspruit Military Base - 514SQ	558	KwaZulu-Natal	Zululand District Municipality	St Francis Hospital
77.	Department of Public Works	Limpopo	Leboeng SAPS	559	Limpopo	BelaBela Local Municipality	Pienaarsrivier
78.	Department of Public Works	Limpopo	Makhado Military Base	560	Limpopo	BelaBela Local Municipality	Radium
79.	Department of Public Works	Limpopo	Matatshe CS	561	Limpopo	Capricorn Local Municipality	Warmbath
80.	Department of Public Works	Limpopo	Naboomspruit Military Base	562	Limpopo	Capricorn Local Municipality	Alldays
81.	Department of Public Works	Limpopo	Soekmekaar Magistrate Court	563	Limpopo	Capricorn Local Municipality	Lebowakgomo AS Plant
82.	Department of Public Works	Limpopo	Vuwane Military Base	564	Limpopo	Capricorn Local Municipality	Mogwadi
83.	Department of Public Works	Mpumalanga	Barberton CS	565	Limpopo	Capricorn Local Municipality	Lebowakgamo Ponds
84.	Department of Public Works	Mpumalanga	Camden Military Base	566	Limpopo	Greater Sekhukhune District Municipality	Senwabarwana
85.	Department of Public Works	Mpumalanga	Daggakraal SAPS	567	Limpopo	Greater Sekhukhune District Municipality	Burgersfort
86.	Department of Public Works	Mpumalanga	Geluk CS	568	Limpopo	Greater Sekhukhune District Municipality	Dennilton
87.	Department of Public Works	Mpumalanga	Lebombo Port of Entry	569	Limpopo	Greater Sekhukhune District Municipality	Elandskraal
88.	Department of Public Works	Mpumalanga	Mahamba Port of Entry	570	Limpopo	Greater Sekhukhune District Municipality	Groblersdal
89.	Department of Public	Mpumalanga	Oshoek Port of Entry	571	Limpopo	Greater Sekhukhune District	Jane Furse Ponds

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
	Works					Municipality	
90.	Department of Public Works	Mpumalanga	Sand River Military Base	572	Limpopo	Greater Sekhukhune District Municipality	LeeuwfonteinMokganyaka
91.	Department of Public Works	Mpumalanga	Witbank CS	573	Limpopo	Greater Sekhukhune District Municipality	Mapokile ponds
92.	Department of Public Works	Mpumalanga	Zonestraal Military Base	574	Limpopo	Greater Sekhukhune District Municipality	Marle Hall
93.	Department of Public Works	Mpumalanga	Acornhoek	575	Limpopo	Greater Sekhukhune District Municipality	MecklebergMoreke ponds
94.	Department of Public Works	Mpumalanga	Barberton CS	576	Limpopo	Greater Sekhukhune District Municipality	Monsterslus-Hlogotlou
95.	Department of Public Works	North West	Bray SAPS	577	Limpopo	Greater Sekhukhune District Municipality	Motetema
96.	Department of Public Works	North West	Boshoek SAPS	578	Limpopo	Greater Sekhukhune District Municipality	Nebo ponds
97.	Department of Public Works	North West	Klipdrift MB	579	Limpopo	Greater Sekhukhune District Municipality	Penge
98.	Department of Public Works	North West	Losperfontein CS	580	Limpopo	Greater Sekhukhune District Municipality	Phokwane ponds
99.	Department of Public Works	North West	Molopo MB	581	Limpopo	Greater Sekhukhune District Municipality	Roosenenkal
100.	Department of Public Works	North West	Ramatlabama BC	582	Limpopo	Greater Sekhukhune District Municipality	Steelpoort
101.	Department of Public Works	North West	Rooigrond CS	583	Limpopo	Lephalale Local Municipality	Tubatse ponds
102.	Department of Public Works	North West	Skilpad BC	584	Limpopo	Lephalale Local Municipality	Paarl
103.	Department of Public Works	North West	Swartkopfontein BC	585	Limpopo	Lephalale Local Municipality	Witpoort
104.	Department of Public Works	North West	Welgegend	586	Limpopo	Modimolle Local Municipality	Zongesien
105.	Department of Public Works	Western Cape	Brandvlei Prison	587	Limpopo	Modimolle Local Municipality	Modimolle
106.	Department of Public Works	Western Cape	Buffeljagsrivier Prison	588	Limpopo	Mogalakwena Local Municipality	Vaalwater
107.	Department of Public Works	Western Cape	Drakenstein Prison	589	Limpopo	Mogalakwena Local Municipality	Mokopane old & New
108.	Department of Public Works	Western Cape	Dwarsrivier Prison	590	Limpopo	Mookgophong Local Municipality	Rebone
109.	Department of Public Works	Western Cape	Helderstroom Prison	591	Limpopo	Mookgophong Local Municipality	Naboomspruit
110.	Department of Public Works	Western Cape	Langebaan Road Central Flight School	592	Limpopo	Mopani District Municipality	Thusanag Ponds (Roedtan)
111.	Department of Public	Western Cape	Paardeberg Prison	593	Limpopo	Mopani District Municipality	Lulekani

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
	Works						
112.	Department of Public Works	Western Cape	Riebeek West Prison	594	Limpopo	Mopani District Municipality	Namakgale
113.	Department of Public Works	Western Cape	Robben Island	595	Limpopo	Mopani District Municipality	Phalaborwa
114.	Department of Public Works	Western Cape	Saldanha Naval Base	596	Limpopo	Mopani District Municipality	Ga-Kgapane
115.	Department of Public Works	Western Cape	Test Flight & Development Centre	597	Limpopo	Mopani District Municipality	Giyani
116.	Department of Public Works	Western Cape	Voorberg Prison	598	Limpopo	Mopani District Municipality	Lenyenye
117.	Department of Public Works	Northern Cape	Lohatlha Military Base	599	Limpopo	Mopani District Municipality	Modjadjiskoolf-Duiwelskloof
118.	Department of Public Works	Northern Cape	Louisvale Military Base	600	Limpopo	Mopani District Municipality	Nkowankowa
119.	Department of Public Works	Northern Cape	Middelputs Border Post	601	Limpopo	Mopani District Municipality	Senwamokgope
120.	Department of Public Works	Northern Cape	Nakop	602	Limpopo	Mopani District Municipality	Tzaneen
121.	Department of Public Works	Northern Cape	Olifantshoek Radio Station	603	Limpopo	Mopani District Municipality	Phafhudi hospital
122.	Department of Public Works	Northern Cape	Vioolsdrift Port of Entry	604	Limpopo	Polokwane Local Municipality	Shilubane hospital
123.	Department of Public Works	KZN North	Onverwacht Border Post	605	Limpopo	Polokwane Local Municipality	Mankweng
124.	Department of Public Works	KZN North	Mtubatuba SANDF	606	Limpopo	Polokwane Local Municipality	Polokwane Pasveer
125.	Department of Public Works	KZN North	Esibayeni SAPS	607	Limpopo	Thabazimbi Local Municipality	Seshego
126.	Department of Public Works	KZN North	Ubombo SAPS	608	Limpopo	Thabazimbi Local Municipality	Northam
127.	Department of Public Works	KZN North	Golela Border Post	609	Limpopo	Thabazimbi Local Municipality	Rooiberg
128.	Department of Public Works	KZN North	Ingwavuma SAPS	610	Limpopo	Vhembe District Municipality	Thabazimbi
129.	Department of Public Works	KZN North	Ndumo SANDF	611	Limpopo	Vhembe District Municipality	Louis Trichardt Makhado
130.	Department of Public Works	KZN North	Emanguzi SAPS	612	Limpopo	Vhembe District Municipality	Makhado Dzanani
131.	Department of Public Works	KZN North	Glencoe Prison	613	Limpopo	Vhembe District Municipality	Malamulele
132.	Department of Public Works	KZN North	Hlobane SAPS	614	Limpopo	Vhembe District Municipality	Mhinga
133.	Department of Public	KZN North	Ncome Prison	615	Limpopo	Vhembe District Municipality	Musina

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
	Works						
134.	Department of Public Works	KZN North	Waterval Prison	616	Limpopo	Vhembe District Municipality	Mutale ponds
135.	Department of Public Works	KZN North	Ekuseni Youth Centre	617	Limpopo	Vhembe District Municipality	Nancefield
136.	Department of Public Works	KZN South	Sevontein Prison	618	Limpopo	Vhembe District Municipality	Thohoyandou
137.	Department of Public Works	KZN South	Wartburg SAPS	619	Limpopo	Vhembe District Municipality	Tshifulanani ponds
138.	Department of Public Works	KZN South	Nkandla Prestige Project	620	Limpopo	Vhembe District Municipality	Vleifontein ponds
139.	Department of Public Works	KZN South	New Hanover Prison	621	Limpopo	Vhembe District Municipality	Vuwani ponds
140.	Department of Public Works	KZN South	Kranskop Prison	622	Limpopo	Vhembe District Municipality	Waterval Makhado
141.	Department of Public Works	KZN South	Mthunzini Prison	623	Mpumalanga	Albert Luthuli Local Municipality	Carolina
142.	Eastern Cape	Alfred Nzo Local Municipality	Cedarville	624	Mpumalanga	Albert Luthuli Local Municipality	Ekulendeni-Kromdraai
143.	Eastern Cape	Alfred Nzo Local Municipality	Matatiele	625	Mpumalanga	Albert Luthuli Local Municipality	Elukwatini-Eerstehoek
144.	Eastern Cape	Alfred Nzo Local Municipality	Mount Ayliff	626	Mpumalanga	Albert Luthuli Local Municipality	Mpuluzi-Mayflower
145.	Eastern Cape	Alfred Nzo Local Municipality	Mount Frere	627	Mpumalanga	Bushbuckridge Local Municipality	Badplaas
146.	Eastern Cape	Alfred Nzo Local Municipality	Bizana	628	Mpumalanga	Bushbuckridge Local Municipality	Dwarsloop
147.	Eastern Cape	Alfred Nzo Local Municipality	Ntabankulu	629	Mpumalanga	Bushbuckridge Local Municipality	Mkhuhlu
148.	Eastern Cape	Amathole District Municipality	Adelaide	630	Mpumalanga	Bushbuckridge Local Municipality	Thulamahashe
149.	Eastern Cape	Amathole District Municipality	Alice-Fort Hare	631	Mpumalanga	Bushbuckridge Local Municipality	Hoxane
150.	Eastern Cape	Amathole District Municipality	Amabele	632	Mpumalanga	Bushbuckridge Local Municipality	Maviljan
151.	Eastern Cape	Amathole District Municipality	Bedford	633	Mpumalanga	Bushbuckridge Local Municipality	Tintswalo
152.	Eastern Cape	Amathole District Municipality	Butterworth	634	Mpumalanga	Bushbuckridge Local Municipality	Acornhoek
153.	Eastern Cape	Amathole District Municipality	Cathcart	635	Mpumalanga	Dipaleseng Local Municipality	Manghwazi
154.	Eastern Cape	Amathole District Municipality	Cinsta East	636	Mpumalanga	Dipaleseng Local Municipality	Balfour
155.	Eastern Cape	Amathole District Municipality	Fort Beaufort	637	Mpumalanga	Dipaleseng Local Municipality	Groutvlei Eskom
156.	Eastern Cape	Amathole District Municipality	Idutywa	638	Mpumalanga	Dipaleseng Local Municipality	Grootvlei Mine
157.	Eastern Cape	Amathole District Municipality	Kei Mouth	639	Mpumalanga	Dr JS Moroka Local Municipality	Greylingstad
158.	Eastern Cape	Amathole District Municipality	Keiskammahoek	640	Mpumalanga	Dr JS Moroka Local Municipality	Siyabuswa
159.	Eastern Cape	Amathole District Municipality	Komga	641	Mpumalanga	Dr JS Moroka Local Municipality	Vaalbank/Libangeni
160.	Eastern Cape	Amathole District Municipality	Middledrift	642	Mpumalanga	Emakhazeni Local Municipality	Toitskraal

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
161.	Eastern Cape	Amathole District Municipality	Peddie	643	Mpumalanga	Emakhazeni Local Municipality	Machadodorp
162.	Eastern Cape	Amathole District Municipality	Seymour	644	Mpumalanga	Emakhazeni Local Municipality	Belfast
163.	Eastern Cape	Amathole District Municipality	Stutterheim	645	Mpumalanga	Emakhazeni Local Municipality	Dullstroom
164.	Eastern Cape	Baviaans Local Municipality	Steytlerville WWTW	646	Mpumalanga	Emakhazeni Local Municipality	Emthonjeni
165.	Eastern Cape	Baviaans Local Municipality	Willowmore WWTW	647	Mpumalanga	Emalahleni Local Municipality	WatervalBoven-Mgwenwa
166.	Eastern Cape	Baviaans Local Municipality	Rietbron WWTW	648	Mpumalanga	Emalahleni Local Municipality	Riverviw
167.	Eastern Cape	Blue Crane Route Local Municipality	Cookhouse	649	Mpumalanga	Emalahleni Local Municipality	Ferrobank
168.	Eastern Cape	Blue Crane Route Local Municipality	Pearston	650	Mpumalanga	Emalahleni Local Municipality	Klipspruit
169.	Eastern Cape	Blue Crane Route Local Municipality	Somerset East	651	Mpumalanga	Emalahleni Local Municipality	Naauwpoort
170.	Eastern Cape	Buffalo City Local Municipality	Amalinda Central	652	Mpumalanga	Emalahleni Local Municipality	Kriel-Ganala
171.	Eastern Cape	Buffalo City Local Municipality	Berlin	653	Mpumalanga	Emalahleni Local Municipality	Phola-Ogies
172.	Eastern Cape	Buffalo City Local Municipality	Breidbach	654	Mpumalanga	Govan Mbeki Local Municipality	Rietspruit
173.	Eastern Cape	Buffalo City Local Municipality	Bisho	655	Mpumalanga	Govan Mbeki Local Municipality	Embalenhle
174.	Eastern Cape	Buffalo City Local Municipality	Dimbaza	656	Mpumalanga	Govan Mbeki Local Municipality	Kinross
175.	Eastern Cape	Buffalo City Local Municipality	East Bank	657	Mpumalanga	Govan Mbeki Local Municipality	Leandra-Leslie
176.	Eastern Cape	Buffalo City Local Municipality	Gonubie	658	Mpumalanga	Govan Mbeki Local Municipality	Bthal
177.	Eastern Cape	Buffalo City Local Municipality	Keyser's Beach	659	Mpumalanga	Govan Mbeki Local Municipality	Evander
178.	Eastern Cape	Buffalo City Local Municipality	Kidd's Beach	660	Mpumalanga	Lekwa Local Municipality	Trichardt
179.	Eastern Cape	Buffalo City Local Municipality	Mdantsane East	661	Mpumalanga	Lekwa Local Municipality	Standerton
180.	Eastern Cape	Buffalo City Local Municipality	Postdam	662	Mpumalanga	Mbombela Local Municipality	Morgenzon
181.	Eastern Cape	Buffalo City Local Municipality	Reeston	663	Mpumalanga	Mbombela Local Municipality	Kabokweni
182.	Eastern Cape	Buffalo City Local Municipality	Schornville KWT	664	Mpumalanga	Mbombela Local Municipality	Kingstonvale
183.	Eastern Cape	Buffalo City Local Municipality	West Bank	665	Mpumalanga	Mbombela Local Municipality	White river
184.	Eastern Cape	Buffalo City Local Municipality	Zwelitcha	666	Mpumalanga	Mbombela Local Municipality	Kanyamanzane
185.	Eastern Cape	Camdeboo Local Municipality	Aberdeen	667	Mpumalanga	Mbombela Local Municipality	Hazyview
186.	Eastern Cape	Camdeboo Local Municipality	Graff Reniet	668	Mpumalanga	Mbombela Local Municipality	Matsulu
187.	Eastern Cape	Camdeboo Local Municipality	NieuBethseda	669	Mpumalanga	Mbombela Local Municipality	Rockys Drift
188.	Eastern Cape	Chris Hani District Municipality	Cala	670	Mpumalanga	Mbombela Local Municipality	Davel
189.	Eastern Cape	Chris Hani District Municipality	Cofimvaba	671	Mpumalanga	Mbombela Local Municipality	Lothair
190.	Eastern Cape	Chris Hani District Municipality	Cradock	672	Mpumalanga	Mbombela Local Municipality	Hectorspruit
191.	Eastern Cape	Chris Hani District Municipality	Dordrecht	673	Mpumalanga	Pixley ka Seme Local Municipality	Malelane

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
192.	Eastern Cape	Chris Hani District Municipality	Elliot	674	Mpumalanga	Pixley ka Seme Local Municipality	Volksrust
193.	Eastern Cape	Chris Hani District Municipality	Engcobo	675	Mpumalanga	Pixley ka Seme Local Municipality	Vukuzakhe
194.	Eastern Cape	Chris Hani District Municipality	Hofmeyr	676	Mpumalanga	PixleykaSeme Local Municipality	Wakkerstroom
195.	Eastern Cape	Chris Hani District Municipality	Indwe	677	Mpumalanga	PixleykaSeme Local Municipality	Amersfoort
196.	Eastern Cape	Chris Hani District Municipality	Lady Frere	678	Mpumalanga	Steve Tshwete Local Municipality	Perdekop
197.	Eastern Cape	Chris Hani District Municipality	Molteno	679	Mpumalanga	Steve Tshwete Local Municipality	Boskrans-Mhluzi-Middelburg
198.	Eastern Cape	Chris Hani District Municipality	Middleburg	680	Mpumalanga	Steve Tshwete Local Municipality	KwaZamokuhle-Hendrina
199.	Eastern Cape	Chris Hani District Municipality	Queenstown	681	Mpumalanga	Steve Tshwete Local Municipality	Komati
200.	Eastern Cape	Chris Hani District Municipality	Sada	682	Mpumalanga	Thaba Chweu Local Municipality	Blink Tweefonteinpan-Mine Village
201.	Eastern Cape	Chris Hani District Municipality	Sterkstroom	683	Mpumalanga	Thaba Chweu Local Municipality	Lydenburg
202.	Eastern Cape	Chris Hani District Municipality	Tarkastad	684	Mpumalanga	Thaba Chweu Local Municipality	Sabie
203.	Eastern Cape	Chris Hani District Municipality	Tsomo	685	Mpumalanga	Thembisile Local Municipality	Graskop
204.	Eastern Cape	Ikwezi Local Municipality	Kliplaats	686	Mpumalanga	Thembisile Local Municipality	KwaMhlanga Ponds East
205.	Eastern Cape	Ikwezi Local Municipality	Jansenville	687	Mpumalanga	Umjindi Local Municipality	KwaMhlanga West
206.	Eastern Cape	Joe Gqabi District Municipality	Aliwal North	688	Mpumalanga	Victor Khanye Local Municipality	Barberton
207.	Eastern Cape	Joe Gqabi District Municipality	Barkley East (Old Plant)	689	Mpumalanga	Victor Khanye Local Municipality	Botleng
208.	Eastern Cape	Joe Gqabi District Municipality	Barkley East (New Plant)	690	Mpumalanga	Victor Khanye Local Municipality	Delmas
209.	Eastern Cape	Joe Gqabi District Municipality	Burgersdorp	691	North West	Dr Ruth S Mompati Local Municipality	Bloemhof
210.	Eastern Cape	Joe Gqabi District Municipality	Nerchle	692	North West	Dr Ruth S Mompati Local Municipality	Scweizer-Reinecker
211.	Eastern Cape	Joe Gqabi District Municipality	Jamestown	693	North West	Dr Ruth S Mompati Local Municipality	Vryburg
212.	Eastern Cape	Joe Gqabi District Municipality	Lady Grey	694	North West	Kgetleng River Local Municipality	Christiana
213.	Eastern Cape	Joe Gqabi District Municipality	Maclear (AS)	695	North West	Kgetleng River Local Municipality	Koster
214.	Eastern Cape	Joe Gqabi District Municipality	Maclear (OP)	696	North West	Madibeng Local Municipality	Swartruggens
215.	Eastern Cape	Joe Gqabi District Municipality	Mount Fletcher	697	North West	Madibeng Local Municipality	Brits
216.	Eastern Cape	Joe Gqabi District Municipality	Oviston	698	North West	Madibeng Local Municipality	Letlhabile
217.	Eastern Cape	Joe Gqabi District Municipality	Prenjiesberg	699	North West	Madibeng Local Municipality	Haartbeespoort
218.	Eastern Cape	Joe Gqabi District Municipality	Sterkspruit	700	North West	Maquassi Hills Local Municipality	Mothotlung
219.	Eastern Cape	Joe Gqabi District Municipality	Steynsburg	701	North West	Maquassi Hills Local Municipality	Leeudoringstad
220.	Eastern Cape	Joe Gqabi District Municipality	Ugie	702	North West	Matlosana Local Municipality	Wolmaranstad
221.	Eastern Cape	Joe Gqabi District Municipality	Venterstad	703	North West	Matlosana Local Municipality	Klerksdorp
222.	Eastern Cape	Kouga Local Municipality	Hankey	704	North West	Matlosana Local Municipality	Orkney

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
223.	Eastern Cape	Kouga Local Municipality	Humansdorp	705	North West	Matlosana Local Municipality	Stilfontein
224.	Eastern Cape	Kouga Local Municipality	Jeffreys Bay	706	North West	Moretele Local Municipality	Haartbeesfontein
225.	Eastern Cape	Kouga Local Municipality	Kruisfontein	707	North West	Moses Kotane Local Municipality	Ga MotlaSwartdam
226.	Eastern Cape	Kouga Local Municipality	Loerie	708	North West	Moses Kotane Local Municipality	Madikwe
227.	Eastern Cape	Kouga Local Municipality	St Francis	709	North West	Ngaka Modiri Molema Local Municipality	Mogwase
228.	Eastern Cape	Kouga Local Municipality	Thornhill	710	North West	Ngaka Modiri Molema Local Municipality	Mmabatho
229.	Eastern Cape	Koukamma Local Municipality	Blikkiesdorp	711	North West	Ngaka Modiri Molema Local Municipality	Lichtenburg
230.	Eastern Cape	Koukamma Local Municipality	Clarkson	712	North West	Ngaka Modiri Molema Local Municipality	Daleryville
231.	Eastern Cape	Koukamma Local Municipality	Coldstream 1	713	North West	Ngaka Modiri Molema Local Municipality	Lehurutshe-Welbedacht
232.	Eastern Cape	Koukamma Local Municipality	Coldstream 2 / Laaurel Ridge	714	North West	Ngaka Modiri Molema Local Municipality	Ottosdal
233.	Eastern Cape	Koukamma Local Municipality	Joubertina / Ravinia	715	North West	Ngaka Modiri Molema Local Municipality	Sannieshof
234.	Eastern Cape	Koukamma Local Municipality	Kareedouw	716	North West	Ngaka Modiri Molema Local Municipality	Zeerust
235.	Eastern Cape	Koukamma Local Municipality	Krakeel River	717	North West	Ngaka Modiri Molema Local Municipality	Itsoseng
236.	Eastern Cape	Koukamma Local Municipality	Louter Water	718	North West	Ngaka Modiri Molema Local Municipality	Mafikeng
237.	Eastern Cape	Koukamma Local Municipality	Misgund	719	North West	Ngaka Modiri Molema Local Municipality	Atamelang
238.	Eastern Cape	Koukamma Local Municipality	Nompumelelo / Sandrift Mandelapark	720	North West	Rustenburg Local Municipality	Coligny
239.	Eastern Cape	Koukamma Local Municipality	Stormsriver	721	North West	Rustenburg Local Municipality	Boitekong
240.	Eastern Cape	Koukamma Local Municipality	Woodlands	722	North West	Rustenburg Local Municipality	Rustenburg
241.	Eastern Cape	Makana Local Municipality	Alicedale	723	North West	Rustenburg Local Municipality	Lethabong
242.	Eastern Cape	Makana Local Municipality	Belmont Valley	724	North West	Tlokwe Local Municipality	Monakato
243.	Eastern Cape	Makana Local Municipality	Mayfield	725	North West	Ventersdorp Local Municipality	Potchefstroom-Tlokwe
244.	Eastern Cape	Ndlambe Local Municipality	Alexandria / Kwanonkqubela	726	North West	Ventersdorp Local Municipality	Ventersdorp
245.	Eastern Cape	Ndlambe Local Municipality	Bathurst / Molukhanyo	727	Northern Cape	Kai Garib Local Municipality	Kakamas
246.	Eastern Cape	Ndlambe Local Municipality	Boesman river Mouth / Marselle	728	Northern Cape	Kai Garib Local Municipality	Keimoes
247.	Eastern Cape	Ndlambe Local Municipality	Kenton on Sea / Ekuphumleni	729	Northern Cape	iKheis Local Municipality	Kenhardt
248.	Eastern Cape	Ndlambe Local Municipality	Port Alfred	730	Northern Cape	iKheis Local Municipality	Groblershoop
249.	Eastern Cape	Nelson Mandela Metropolitan	Cape Receife	731	Northern Cape	iKheis Local Municipality	Brandboom

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
		Municipality					
250.	Eastern Cape	Nelson Mandela Metropolitan Municipality	Despatch	732	Northern Cape	iKheis Local Municipality	Wegdraai
251.	Eastern Cape	Nelson Mandela Metropolitan Municipality	Driftsands	733	Northern Cape	iKheis Local Municipality	Topline
252.	Eastern Cape	Nelson Mandela Metropolitan Municipality	Fishwater Flats-Domestic	734	Northern Cape	Dikgatlong Local Municipality	Grootdrink
253.	Eastern Cape	Nelson Mandela Metropolitan Municipality	Fishwater Flats Industrial	735	Northern Cape	Dikgatlong Local Municipality	Barkly West
254.	Eastern Cape	Nelson Mandela Metropolitan Municipality	Kelvin Jones	736	Northern Cape	Dikgatlong Local Municipality	Delpoortshoop
255.	Eastern Cape	Nelson Mandela Metropolitan Municipality	KwaNobuhle	737	Northern Cape	Emthanjeni Local Municipality	Windsorton
256.	Eastern Cape	Nelson Mandela Metropolitan Municipality	Rocklands	738	Northern Cape	Emthanjeni Local Municipality	De Aar
257.	Eastern Cape	OR Tambo District Municipality	Bizana	739	Northern Cape	Emthanjeni Local Municipality	Britstown
258.	Eastern Cape	OR Tambo District Municipality	Flagstaff	740	Northern Cape	Gamagara Local Municipality	Hanover
259.	Eastern Cape	OR Tambo District Municipality	Lusikisiki	741	Northern Cape	Gamagara Local Municipality	Olifantshoek
260.	Eastern Cape	OR Tambo District Municipality	Mqanduli	742	Northern Cape	Gamagara Local Municipality	Dibeng
261.	Eastern Cape	OR Tambo District Municipality	Mthatha	743	Northern Cape	Gamagara Local Municipality	Dingleton
262.	Eastern Cape	OR Tambo District Municipality	Ngqeleni	744	Northern Cape	Ga-Segonyana Local Municipality	Kathu
263.	Eastern Cape	OR Tambo District Municipality	Ntabankulu	745	Northern Cape	Ga-Segonyana Local Municipality	Kuruman
264.	Eastern Cape	OR Tambo District Municipality	Port St Johns	746	Northern Cape	Hantam Local Municipality	Mothibistad
265.	Eastern Cape	OR Tambo District Municipality	Qumbu	747	Northern Cape	Hantam Local Municipality	Brandvlei
266.	Eastern Cape	OR Tambo District Municipality	Tsolo	748	Northern Cape	Hantam Local Municipality	Calvinia
267.	Eastern Cape	Sundays River Valley Local Municipality	Enon/ Bersheba	749	Northern Cape	Hantam Local Municipality	Loeriesfontein
268.	Eastern Cape	Sundays River Valley Local Municipality	Greater Addo	750	Northern Cape	Hantam Local Municipality	Nieuwoudtville
269.	Eastern Cape	Sundays River Valley Local Municipality	Greater Kirkwood	751	Northern Cape	Joe Morolong Local Municipality	Middelpos
270.	Eastern Cape	Sundays River Valley Local Municipality	Peterson	752	Northern Cape	Joe Morolong Local Municipality	Hotazel
271.	Free State	Dihlabeng Local Municipality	Bethlehem	753	Northern Cape	Kamiesberg Local Municipality	Van Zylsrus

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
272.	Free State	Dihlabeng Local Municipality	Clarens/ Kgubetswana	754	Northern Cape	Kamiesberg Local Municipality	Garies
273.	Free State	Dihlabeng Local Municipality	Fouriesburg/ Mashaeng	755	Northern Cape	Kareeberg Local Municipality	Kamieskroon
274.	Free State	Dihlabeng Local Municipality	Paul Roux	756	Northern Cape	Kareeberg Local Municipality	Carnarvon
275.	Free State	Dihlabeng Local Municipality	Rosendal/ Mautse	757	Northern Cape	Kareeberg Local Municipality	Vanwyksvlei
276.	Free State	Kopanong Local Municipality	Bethulie	758	Northern Cape	Karoo Hoogland Local Municipality	Vosburg
277.	Free State	Kopanong Local Municipality	Edenburg	759	Northern Cape	Karoo Hoogland Local Municipality	Williston
278.	Free State	Kopanong Local Municipality	Fauresmith	760	Northern Cape	Karoo Hoogland Local Municipality	Fraserburg
279.	Free State	Kopanong Local Municipality	Gariep Dam	761	Northern Cape	Kgatelopele Local Municipality	Sutherland
280.	Free State	Kopanong Local Municipality	Jagersfontein	762	Northern Cape	Khai Ma Local Municipality	Danielskuil
281.	Free State	Kopanong Local Municipality	Philipolis	763	Northern Cape	KharaHais Local Municipality	Pofadder
282.	Free State	Kopanong Local Municipality	Reddersburg	764	Northern Cape	KharaHais Local Municipality	Kameelmond
283.	Free State	Kopanong Local Municipality	Springfontein	765	Northern Cape	Magareng Local Municipality	Louisvaleweg
284.	Free State	Kopanong Local Municipality	Trompsburg	766	Northern Cape	Mier Local Municipality	Warrenton
285.	Free State	Letsemeng Local Municipality	Jacobsdal	767	Northern Cape	Mier Local Municipality	Rietfontein
286.	Free State	Letsemeng Local Municipality	Luckhoff	768	Northern Cape	Mier Local Municipality	Askham
287.	Free State	Letsemeng Local Municipality	Koffiefontein	769	Northern Cape	NamaKhoi Local Municipality	Loubos
288.	Free State	Letsemeng Local Municipality	Oppermansgronde	770	Northern Cape	NamaKhoi Local Municipality	Bergsig
289.	Free State	Letsemeng Local Municipality	Petrusburg	771	Northern Cape	NamaKhoi Local Municipality	Carolusberg
290.	Free State	Mafube Local Municipality	Cornelia	772	Northern Cape	NamaKhoi Local Municipality	Concordia
291.	Free State	Mafube Local Municipality	Frankfort	773	Northern Cape	NamaKhoi Local Municipality	Komaggas
292.	Free State	Mafube Local Municipality	Tweeling	774	Northern Cape	NamaKhoi Local Municipality	Nababeep
293.	Free State	Mafube Local Municipality	Namahadi	775	Northern Cape	NamaKhoi Local Municipality	Okiep
294.	Free State	Mafube Local Municipality	Villiers/ Qala Moedingbotjha	776	Northern Cape	NamaKhoi Local Municipality	Springbok
295.	Free State	Maluti	Elandsriver	777	Northern Cape	Phokwane Local Municipality	Steinkopf
296.	Free State	Maluti	Kestell	778	Northern Cape	Phokwane Local Municipality	Pampierstad
297.	Free State	Maluti	Makwane/ Matsegeng	779	Northern Cape	Phokwane Local Municipality	Jan Kempdorp
298.	Free State	Maluti	Moeding	780	Northern Cape	Renosterberg Local Municipality	Hartswater
299.	Free State	Maluti	Phuthaditjaba	781	Northern Cape	Renosterberg Local Municipality	Vanderkloof
300.	Free State	Maluti	Tshiame	782	Northern Cape	Renosterberg Local Municipality	Petrusville
301.	Free State	Maluti	Wilge/Harrismith	783	Northern Cape	Richtersveld Local Municipality	Philipstown
302.	Free State	Mangaung Metropolitan Municipality	Bainsvlei	784	Northern Cape	Siyancuma Local Municipality	Port Nolloth

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
303.	Free State	Mangaung Metropolitan Municipality	Bloemindustria	785	Northern Cape	Siyancuma Local Municipality	Douglas
304.	Free State	Mangaung Metropolitan Municipality	Blowmspruit	786	Northern Cape	Siyancuma Local Municipality	Griekwastad
305.	Free State	Mangaung Metropolitan Municipality	Bothsabelo	787	Northern Cape	Siyathemba Local Municipality	Schmidtsdrift
306.	Free State	Mangaung Metropolitan Municipality	Northern Works	788	Northern Cape	Siyathemba Local Municipality	Prieska
307.	Free State	Mangaung Metropolitan Municipality	Sterkwater	789	Northern Cape	Siyathemba Local Municipality	Marydale
308.	Free State	Mangaung Metropolitan Municipality	Thaba Nchu	790	Northern Cape	Sol Plaatjie Local Municipality	Niekerkshoop
309.	Free State	Mangaung Metropolitan Municipality	Welvaart	791	Northern Cape	Sol Plaatjie Local Municipality	Beaconsfield
310.	Free State	Mantsopa Local Municipality	Excelsior	792	Northern Cape	Sol Plaatjie Local Municipality	Homevale
311.	Free State	Mantsopa Local Municipality	Hobhouse	793	Northern Cape	Thembelihle Local Municipality	Ritchie
312.	Free State	Mantsopa Local Municipality	Lady Brand	794	Northern Cape	Thembelihle Local Municipality	Hopetown (Old)
313.	Free State	Mantsopa Local Municipality	Thaba Patdisa	795	Northern Cape	Thembelihle Local Municipality	Hopetown (New)
314.	Free State	Mantsopa Local Municipality	Tweespruit	796	Northern Cape	Thembelihle Local Municipality	Strydenburg (Old)
315.	Free State	Masilonyana Local Municipality	Brandfort	797	Northern Cape	Tsantsabane Local Municipality	Strydenburg (New)
316.	Free State	Masilonyana Local Municipality	Soutpan	798	Northern Cape	Tsantsabane Local Municipality	Postmasburg
317.	Free State	Masilonyana Local Municipality	Theunissen	799	Northern Cape	Ubuntu Local Municipality	Jenn-Haven
318.	Free State	Masilonyana Local Municipality	Verkeerdevlei	800	Northern Cape	Ubuntu Local Municipality	Loxton
319.	Free State	Masilonyana Local Municipality	Winburg	801	Northern Cape	Ubuntu Local Municipality	Richmond
320.	Free State	Matjhabeng Local Municipality	Allanridge	802	Northern Cape	Umsobomvu Local Municipality	Victoria West
321.	Free State	Matjhabeng Local Municipality	Henneman	803	Northern Cape	Umsobomvu Local Municipality	Colesberg
322.	Free State	Matjhabeng Local Municipality	Kutlwanong	804	Northern Cape	Umsobomvu Local Municipality	Norvalspont
323.	Free State	Matjhabeng Local Municipality	Mmamahabane-Mbabane	805	Northern Cape	Umsobomvu Local Municipality	Noupoort
324.	Free State	Matjhabeng Local Municipality	Odendaalsrust	806	Western Cape	Witzenberg Local Municipality	Ceres
325.	Free State	Matjhabeng Local Municipality	Phomolong	807	Western Cape	Witzenberg Local Municipality	Tulbagh
326.	Free State	Matjhabeng Local Municipality	Thabong	808	Western Cape	Witzenberg Local Municipality	Wolseley
327.	Free State	Matjhabeng Local Municipality	Theronia	809	Western Cape	Theewaterskloof Local Municipality	Op-de-Berg
328.	Free State	Matjhabeng Local Municipality	Ventersburg	810	Western Cape	Theewaterskloof Local Municipality	Botrivier
329.	Free State	Matjhabeng Local Municipality	Virginia	811	Western Cape	Theewaterskloof Local Municipality	Caledon
330.	Free State	Matjhabeng Local Municipality	Witpan	812	Western Cape	Theewaterskloof Local Municipality	Grabouw

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
331.	Free State	Metsimaholo Local Municipality	Deneysville	813	Western Cape	Theewaterskloof Local Municipality	Riviersonderend
332.	Free State	Metsimaholo Local Municipality	Sasolburg	814	Western Cape	Theewaterskloof Local Municipality	Genadendal
333.	Free State	Metsimaholo Local Municipality	Oranjeville	815	Western Cape	Theewaterskloof Local Municipality	Villiersdorp
334.	Free State	Mohokare Local Municipality	Rouxville	816	Western Cape	Swellendam Local Municipality	Greyton
335.	Free State	Mohokare Local Municipality	Smithfield	817	Western Cape	Swellendam Local Municipality	Klipperivier
336.	Free State	Mohokare Local Municipality	Zastron	818	Western Cape	Swellendam Local Municipality	Koornlands
337.	Free State	Moqhaka Local Municipality	Kroonstad	819	Western Cape	Swellendam Local Municipality	Buffeljags
338.	Free State	Moqhaka Local Municipality	Steynsrus	820	Western Cape	Swellendam Local Municipality	Suurbraak
339.	Free State	Moqhaka Local Municipality	Viljoenskroon	821	Western Cape	Swartland Local Municipality	Barrydale
340.	Free State	Nala Local Municipality	Bothaville	822	Western Cape	Swartland Local Municipality	Malmesbury
341.	Free State	Nala Local Municipality	Wesselsbron	823	Western Cape	Swartland Local Municipality	Darling
342.	Free State	Naledi Local Municipality	Dewetsdorp	824	Western Cape	Swartland Local Municipality	Chatsworth
343.	Free State	Naledi Local Municipality	Van Stadensrus	825	Western Cape	Swartland Local Municipality	Kalbaskraal
344.	Free State	Naledi Local Municipality	Wepener	826	Western Cape	Swartland Local Municipality	RiebeeckKasteel
345.	Free State	Ngwathe Local Municipality	Edenville	827	Western Cape	Swartland Local Municipality	Riebeeck Wes
346.	Free State	Ngwathe Local Municipality	Heibron	828	Western Cape	Swartland Local Municipality	Moorreesburg
347.	Free State	Ngwathe Local Municipality	Koppies	829	Western Cape	Swartland Local Municipality	Koringberg
348.	Free State	Ngwathe Local Municipality	Parys	830	Western Cape	Stellenbosch Local Municipality	Ongegund (PPC)
349.	Free State	Ngwathe Local Municipality	Vredefort	831	Western Cape	Stellenbosch Local Municipality	Stellenbosch
350.	Free State	Nketoana Local Municipality	Arlington	832	Western Cape	Stellenbosch Local Municipality	Raithby
351.	Free State	Nketoana Local Municipality	Lindley/Ntha	833	Western Cape	Stellenbosch Local Municipality	Pniel
352.	Free State	Nketoana Local Municipality	Petrus Stern	834	Western Cape	Stellenbosch Local Municipality	Wemmershoek
353.	Free State	Nketoana Local Municipality	Reitz	835	Western Cape	Stellenbosch Local Municipality	Franschhoek
354.	Free State	Phumelela Local Municipality	Memel	836	Western Cape	Saldanha Bay Local Municipality	Klapmus
355.	Free State	Phumelela Local Municipality	Vrede	837	Western Cape	Saldanha Bay Local Municipality	Hopefield
356.	Free State	Phumelela Local Municipality	Warden	838	Western Cape	Saldanha Bay Local Municipality	Langville
357.	Free State	Setsoto Local Municipality	Clocolan	839	Western Cape	Saldanha Bay Local Municipality	Langebaan
358.	Free State	Setsoto Local Municipality	Ficksburg	840	Western Cape	Saldanha Bay Local Municipality	Paternoster
359.	Free State	Setsoto Local Municipality	Marquard	841	Western Cape	Saldanha Bay Local Municipality	Saldanha
360.	Free State	Setsoto Local Municipality	Senekal	842	Western Cape	Saldanha Bay Local Municipality	Sandy Point
361.	Free State	Tokologo Local Municipality	Boshoff	843	Western Cape	Prince Albert Local Municipality	Vredanburg

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
362.	Free State	Tokologo Local Municipality	Dealesville	844	Western Cape	Prince Albert Local Municipality	Prince Albert
363.	Free State	Tokologo Local Municipality	Hertzogville	845	Western Cape	Prince Albert Local Municipality	Leeeugamka
364.	Free State	Tswelopele Local Municipality	Bultfontein	846	Western Cape	Overstrand Local Municipality	Klaarstroom
365.	Free State	Tswelopele Local Municipality	Hoopstad	847	Western Cape	Overstrand Local Municipality	Gansbaai
366.	Gauteng	City of Johannesburg	Driefontein	848	Western Cape	Overstrand Local Municipality	Hauston
367.	Gauteng	City of Johannesburg	Ennerdale	849	Western Cape	Overstrand Local Municipality	Hermanus
368.	Gauteng	City of Johannesburg	Goukoppies	850	Western Cape	Overstrand Local Municipality	Kleinmond
369.	Gauteng	City of Johannesburg	Bushkoppies	851	Western Cape	Oudtshoorn Local Municipality	Stranford
370.	Gauteng	City of Johannesburg	Northern Works	852	Western Cape	Oudtshoorn Local Municipality	De Rust
371.	Gauteng	City of Johannesburg	Olifantvlei	853	Western Cape	Oudtshoorn Local Municipality	Oudtshoorn
372.	Gauteng	City of Tshwane	Babelegi	854	Western Cape	Mossel Bay Local Municipality	Dysseldorp
373.	Gauteng	City of Tshwane	Baviaanspoort	855	Western Cape	Mossel Bay Local Municipality	Mossel Bay
374.	Gauteng	City of Tshwane	Daspoort	856	Western Cape	Mossel Bay Local Municipality	Friermersheim B
375.	Gauteng	City of Tshwane	Ekangala Oxidation Ponds	857	Western Cape	Mossel Bay Local Municipality	Grootbrak
376.	Gauteng	City of Tshwane	Godrich	858	Western Cape	Mossel Bay Local Municipality	Herbertsdale
377.	Gauteng	City of Tshwane	Klipgat	859	Western Cape	Mossel Bay Local Municipality	Pinnacle point
378.	Gauteng	City of Tshwane	Rayton	860	Western Cape	Mossel Bay Local Municipality	Ruiterbos
379.	Gauteng	City of Tshwane	Refilwe	861	Western Cape	Matzikama Local Municipality	Brandwag
380.	Gauteng	City of Tshwane	Rethabiseng	862	Western Cape	Matzikama Local Municipality	Doringbaai
381.	Gauteng	City of Tshwane	Rietgat	863	Western Cape	Matzikama Local Municipality	Bitterfontein
382.	Gauteng	City of Tshwane	Rooiwal East	864	Western Cape	Matzikama Local Municipality	Ebannarser
383.	Gauteng	City of Tshwane	Rooiwal North	865	Western Cape	Matzikama Local Municipality	Klawre
384.	Gauteng	City of Tshwane	Sandspruit	866	Western Cape	Matzikama Local Municipality	Koekenaap
385.	Gauteng	City of Tshwane	Summersplace	867	Western Cape	Matzikama Local Municipality	Lutzville
386.	Gauteng	City of Tshwane	Sunderland Ridge	868	Western Cape	Matzikama Local Municipality	Lutzvillewes
387.	Gauteng	City of Tshwane	Temba	869	Western Cape	Matzikama Local Municipality	Nuwerus
388.	Gauteng	City of Tshwane	Zeekoegat	870	Western Cape	Matzikama Local Municipality	Strandfontein
389.	Gauteng	Ekurhuleni	Anchor	871	Western Cape	Matzikama Local Municipality	Van Rhynsdorp
390.	Gauteng	Ekurhuleni	Benoni	872	Western Cape	Matzikama Local Municipality	Vredendal North
391.	Gauteng	Ekurhuleni	Carl Grunding	873	Western Cape	Matzikama Local Municipality	Vredendal South
392.	Gauteng	Ekurhuleni	Dekema	874	Western Cape	Langeberg Local Municipality	Ashton

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
393.	Gauteng	Ekurhuleni	Daveyton	875	Western Cape	Langeberg Local Municipality	Bonnievale
394.	Gauteng	Ekurhuleni	Esther Park	876	Western Cape	Langeberg Local Municipality	McGregor
395.	Gauteng	Ekurhuleni	Hartebeesfontein	877	Western Cape	Langeberg Local Municipality	Montague
396.	Gauteng	Ekurhuleni	Herbert Bickley	878	Western Cape	Langeberg Local Municipality	Robertson
397.	Gauteng	Ekurhuleni	Jan Smuts	879	Western Cape	Laingsburg Local Municipality	Laingsburg
398.	Gauteng	Ekurhuleni	JP Marais	880	Western Cape	Knysna Local Municipality	Belvedere
399.	Gauteng	Ekurhuleni	Olifantsfontein	881	Western Cape	Knysna Local Municipality	Brenton on sea
400.	Gauteng	Ekurhuleni	Rondebult	882	Western Cape	Knysna Local Municipality	Karatara
401.	Gauteng	Ekurhuleni	Rynfield	883	Western Cape	Knysna Local Municipality	Knysna ASP
402.	Gauteng	Ekurhuleni	Tsakane	884	Western Cape	Knysna Local Municipality	Knysna SBR
403.	Gauteng	Ekurhuleni	Vlakplaats	885	Western Cape	Knysna Local Municipality	Rheenendal
404.	Gauteng	Ekurhuleni	Waterval	886	Western Cape	Knysna Local Municipality	Sedgefield
405.	Gauteng	Ekurhuleni	Welgedacht	887	Western Cape	Kannaland Local Municipality	Ladismith
406.	Gauteng	Emfuleni	Leeukuil	888	Western Cape	Kannaland Local Municipality	Calitzdorp
407.	Gauteng	Emfuleni	Rietspruit	889	Western Cape	Kannaland Local Municipality	Zoar
408.	Gauteng	Emfuleni	Sebokeng	890	Western Cape	Hessequa Local Municipality	Albertina
409.	Gauteng	Lesedi	Hiedelburg	891	Western Cape	Hessequa Local Municipality	Garcia
410.	Gauteng	Lesedi	Ratanda	892	Western Cape	Hessequa Local Municipality	Gouritzmand
411.	Gauteng	Merafong LM	Khutsong	893	Western Cape	Hessequa Local Municipality	Heidelberg
412.	Gauteng	Merafong LM	Kokosi-Fochville	894	Western Cape	Hessequa Local Municipality	Jongensfontein
413.	Gauteng	Merafong LM	Oberholzer	895	Western Cape	Hessequa Local Municipality	Melkhoutfontein
414.	Gauteng	Merafong LM	Welverdiend	896	Western Cape	Hessequa Local Municipality	Riversdale
415.	Gauteng	Merafong LM	Wedela	897	Western Cape	Hessequa Local Municipality	Slanghuis
416.	Gauteng	Midvaal	Meyerton	898	Western Cape	Hessequa Local Municipality	Stilbaai
417.	Gauteng	Midvaal	OheniMuri	899	Western Cape	Hessequa Local Municipality	Witsand
418.	Gauteng	Midvaal	Vaal Marina	900	Western Cape	George Local Municipality	Gwaing
419.	Gauteng	Mogale City	Flip Human	901	Western Cape	George Local Municipality	Haarlem
420.	Gauteng	Mogale City	Magaliesburg	902	Western Cape	George Local Municipality	Harold's Bay
421.	Gauteng	Mogale City	Percy Stewart	903	Western Cape	George Local Municipality	Outeniqua
422.	Gauteng	Randfontein	Hannes Van Niekerk	904	Western Cape	George Local Municipality	Uniondale
423.	KwaZulu-Natal	Amajuba Local Municipality	Utrecht	905	Western Cape	George Local Municipality	Kleinkranz

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
424.	KwaZulu-Natal	Amajuba Local Municipality	Tweediedale	906	Western Cape	Drakenstein Local Municipality	Gouda
425.	KwaZulu-Natal	Amajuba Local Municipality	Welgedacht	907	Western Cape	Drakenstein Local Municipality	Hermon
426.	KwaZulu-Natal	Amajuba Local Municipality	Durnacol	908	Western Cape	Drakenstein Local Municipality	Kliprug
427.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Amanzimtoti	909	Western Cape	Drakenstein Local Municipality	Paarl
428.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Cato Ridge	910	Western Cape	Drakenstein Local Municipality	Saron
429.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Central	911	Western Cape	Drakenstein Local Municipality	wellington
430.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Craigieburn	912	Western Cape	City of Cape town	Athlone
431.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Dassenhoek	913	Western Cape	City of Cape town	Bellville
432.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Fredville	914	Western Cape	City of Cape town	Greenpoint
433.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Genazzano	915	Western Cape	City of Cape town	Camp,s Bay
434.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Glenwood Road	916	Western Cape	City of Cape town	Cape Flats
435.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Hammarsdale	917	Western Cape	City of Cape town	Gordon's Bay
436.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Hillcrest	918	Western Cape	City of Cape town	Borcherd'sQuarrry
437.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Isipingo	919	Western Cape	City of Cape town	Groot Springfontein
438.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Kingsburgh	920	Western Cape	City of Cape town	Hout Bay
439.	KwaZulu-Natal	eThekwini Metropolitan Municipality	KwaMashu	921	Western Cape	City of Cape town	Klipheuwel
440.	KwaZulu-Natal	eThekwini Metropolitan Municipality	KwaNdengezi	922	Western Cape	City of Cape town	Kraaifontein
441.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Magabeni	923	Western Cape	City of Cape town	Llandudno
442.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Mpumalanga	924	Western Cape	City of Cape town	Macassar
443.	KwaZulu-Natal	eThekwini Metropolitan Municipality	New Germany	925	Western Cape	City of Cape town	Melbosstrand
444.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Northern Works	926	Western Cape	City of Cape town	Milller's point
445.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Phoenix	927	Western Cape	City of Cape town	Mitcheels plain
446.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Southern	928	Western Cape	City of Cape town	Oudekraal

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
447.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Tongaat Central	929	Western Cape	City of Cape town	Potsdam
448.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Umbilo	930	Western Cape	City of Cape town	Scottdene
449.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Umdloti	931	Western Cape	City of Cape town	Simon's town
450.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Umhlanga	932	Western Cape	City of Cape town	Wesfleur Atlantis
451.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Umhlatuzana	933	Western Cape	City of Cape town	WesfleurIndustria
452.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Umkomaas	934	Western Cape	City of Cape town	Wildevoelvlei
453.	KwaZulu-Natal	eThekwini Metropolitan Municipality	Verulam	935	Western Cape	City of Cape town	Zandvliet
454.	KwaZulu-Natal	iLembe District Municipality	Vukile	936	Western Cape	City of Cape town	philadephia
455.	KwaZulu-Natal	iLembe District Municipality	Darnall	937	Western Cape	City of Cape town	Parow
456.	KwaZulu-Natal	iLembe District Municipality	Frasers	938	Western Cape	Cederberg Local Municipality	Citusdal
457.	KwaZulu-Natal	iLembe District Municipality	Gledhow	939	Western Cape	Cederberg Local Municipality	Clanwilliam
458.	KwaZulu-Natal	iLembe District Municipality	Mandeni	940	Western Cape	Cederberg Local Municipality	Eland's Bay
459.	KwaZulu-Natal	iLembe District Municipality	Maphumulo Hospital	941	Western Cape	Cederberg Local Municipality	Graaafwater
460.	KwaZulu-Natal	iLembe District Municipality	Montebello Hospital	942	Western Cape	Cederberg Local Municipality	Lambert;s Bay
461.	KwaZulu-Natal	iLembe District Municipality	Ntumjambili Hospital	943	Western Cape	Cederberg Local Municipality	Wupperthal
462.	KwaZulu-Natal	iLembe District Municipality	Shakaskraal	944	Western Cape	Cederberg Local Municipality	Algeria
463.	KwaZulu-Natal	iLembe District Municipality	Stanger-KwaDukuza	945	Western Cape	Cape Agulhas Local municipality	Bradasdorp
464.	KwaZulu-Natal	iLembe District Municipality	Sundumbili	946	Western Cape	Cape Agulhas Local municipality	Waenhuiskruins
465.	KwaZulu-Natal	iLembe District Municipality	Tugela	947	Western Cape	Cape Agulhas Local municipality	Napier
466.	KwaZulu-Natal	iLembe District Municipality	Vukile	948	Western Cape	Cape Agulhas Local municipality	Struisbaai
467.	KwaZulu-Natal	Newcastle Local Municipality	Charlestown Ponds	949	Western Cape	Breede Valley Local Municipality	De Doorns
468.	KwaZulu-Natal	Newcastle Local Municipality	Kilbarchin-Ngagane	950	Western Cape	Breede Valley Local Municipality	Worcester
469.	KwaZulu-Natal	Newcastle Local Municipality	Madadeni	951	Western Cape	Breede Valley Local Municipality	Rawsonville
470.	KwaZulu-Natal	Newcastle Local Municipality	Newcastle	952	Western Cape	Breede Valley Local Municipality	Touwrivier
471.	KwaZulu-Natal	Newcastle Local Municipality	Osizweni	953	Western Cape	Bitou Local Municipality	Kurland
472.	KwaZulu-Natal	Sisonke District Municipality	Bulwer	954	Western Cape	Bitou Local Municipality	Pletternberg Bay
473.	KwaZulu-Natal	Sisonke District Municipality	Franklin	955	Western Cape	Berg River Local Municipality	Velddrift
474.	KwaZulu-Natal	Sisonke District Municipality	Ixopo	956	Western Cape	Berg River Local Municipality	Porterville

No	Province / Owner	Water service authority	Name of supply system	No	Province	Water service authority	Name of supply system
475.	KwaZulu-Natal	Sisonke District Municipality	Kokstad	957	Western Cape	Berg River Local Municipality	Pikertberg
476.	KwaZulu-Natal	Sisonke District Municipality	Polela	958	Western Cape	Berg River Local Municipality	Eeendekuil
477.	KwaZulu-Natal	Sisonke District Municipality	Riverside Ponds	959	Western Cape	Berg River Local Municipality	Dwarskersbos
478.	KwaZulu-Natal	Sisonke District Municipality	St Appollonaris	960	Western Cape	Beaufort West Local Municipality	Murraysburg
479.	KwaZulu-Natal	Sisonke District Municipality	uMzimkhulu	961	Western Cape	Beaufort West Local Municipality	Beaufort West
480.	KwaZulu-Natal	Sisonke District Municipality	Underberg	962	Western Cape	Beaufort West Local Municipality	Nelspoort
481.	KwaZulu-Natal	Ugu District Municipality	Eden Wilds	963	Western Cape	Beaufort West Local Municipality	Merweville
482.	KwaZulu-Natal	Ugu District Municipality	Gamalakhe				

PPI No 5.1.5: Number of non-compliant 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**	4 • Cinsta East WWTW • Kei Mouth WWTW • Komga WWTW • Paterson WWTW	4 • Matatiele WWTW • Mount Ayliff WWTW • Mount Frere WWTW • Maluti SAPS (Military base) WWTW	6 • Dordrecht WWTW • Indwe WWTW • Lady Frere WWTW • Herchelle WWTW • Lady Grey WWTW • Sterkspruit WWTW	6 • Kruisfontein WWTW • Loerie WWTW • Thornhill WWTW • Cape Receife WWTW • Driftsands WWTW • Fishwater Flats (Domestic & Industrial) WWTW
Free State	**71**	13 • Theunissen WWTW • Winburg WWTW • Brandfort WWTW • Verkeerdevlei WWTW • Bethlehem WWTW • Clarens WWTW • Elands WWTW • Phuthaditjhaba WWTW • Moeding WWTW • Makwane WWTW • Kestel WWTW • Tsiame WWTW • Harrismith WWTW	21 • Jacobsdal WWTW • Koffiefontein WWTW • Luckhoff WWTW • Rouxville WWTW • Parys WWTW • Heilbron WWTW • Koppies WWTW • Vredefort WWTW • Petrusteyn WWTW • Lindley WWTW • Allanridge WWTW • Henneman WWTW • Kutlwanong WWTW • Mamamahabane WWTW • Odendaalsrus WWTW • Phomolong WWTW • Thabong WWTW • Theronia WWTW • Ventersburg WWTW • Virginia WWTW • Witpan WWTW	29 • Bultfontein WWTW • Hoopstad WWTW • Vrede WWTW • Wardem WWTW • Memel WWTW • Frankfort WWTW • Tweeling WWTW • Villiers WWTW • Oranjeville WWTW • Deneysville WWTW • Groenpunt (DPW) • Steynsrus WWTW • Kroonstad WWTW • Bothaville WWTW • Wesselsbron WWTW • Tweespruit WWTW • Thaba Patswa WWTW • Ladybrand WWTW • Hobhouse WWTW • Ficksburg WWTW • Senekal WWTW • Clocolan WWTW • Thaba Nchu WWTW • Botshabello WWTW • Dewetsdorp WWTW • Bloemdpruit WWTW • Wepener WWTW • Soutpan WWTW • Welvaart WWTW	8 • Reddersburg WWTW • Edenburg WWTW • Gariep WWTW • Fauresmith WWTW • Phillipolis WWTW • Trompsburg WWTW • Springfontein WWTW • Bethulie WWTW
Gauteng	**33**	11 • Herbert BickleyWWTW • Rooiwaal WWTW • Klipgat WWTW • Randfontein WWTW • Olifantsfontein WWTW • Baviaanspoort WWTW • Welgedatch WWTW • Percy stuart WWTW • Vlakplaats WWTW • Waterval WWTW • Sunderland ridge WWTW	6 • Northern Works WWTW • Bushkoppies WWTW • Ennerdale WWTW • Goudkoppies WWTW • Rynfield WWTW • Ekangala WWTW	7 • Leeuwkuil WWTW • Rietspruit WWTW • Flip Human WWTW • Sebokeng WWTW • Oheni Muri WWTW • Kokosi WWTW • Wedela WWTW	9 • Obelholzer WWTW • Khutsong WWTW • Godrich WWTW • Welverdied WWTW • Meyerton WWTW • Devon WWTW • Hannes Van Niekerk WWTW • Kwazenzele WWTW • Heidelberg WWTW
Kwazulu Natal	**24**	6 • Mtubatuba WWTW • Manguza WWTW • Klipfontein WWTW • Ulundi WWTW • KwaDukuza WWTW • Mandeni WWTW	6 • Kokstad WWTW • Underberg WWTW • Dundee WWTW • Greytown WWTW • Nquthu WWTW • Mthunzini WWTW	6 • Mkhuze WWTW • St Lucia WWTW • Tugela Ferry WWTW • Eshowe WWTW • Melmoth WWTW • uPhongolo WWTW	6 • Durnacol WWTW • Ladysmith WWTW • Escourt WWTW • Bergville WWTW • Ekuvukeni WWTW • Nkandla WWTW
Limpopo	**51**	13 • Mankweng WWTW • Tubatse WWTW • Burgersfort WWTW • Marble Hall WWTW • Elandskraal WWTW • Phalaborwa WWTW • Nkowankowa WWTW • Witpoort Ponds • Zongesien(Marapong)	17 • Senwabarwana Ponds • Seshego WWTW • Nebo WWTW • Phokwane WWTW • Monsterlus (Hlogotlou) WWTW • Motetema WWTW • Penge WWTW • Kgapane WWTW	11 • Lebowakgomo ASP • Denilton WWTW • Lulekani WWTW • Namakgale WWTW • Paarl WWTW • Northam Ponds • Mookgopong WWTW • Vaalwater Ponds • Siloam ponds	10 • Lebowakgomo Ponds • Groblersdal WWTW • Leeuwfontein (Mokganyaka) WWTW • Roosenekaal WWTW • Meckleberg (Moroke) WWTW • Lenyenye WWTW

Province	Total number	Performance delivery list of systems per quarter			
		Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
		Ponds • Thabazimbi WWTW • Elim WWTW • Vleifontein Ponds • Waterval Ponds	• Giyani WWTW • Modimolle WWTW • Mokopane WWTW • Bela Bela WWTW • Radium Ponds • Nancefield WWTW • Musina WWTW • Mutale Ponds • Thohoyandou WWTW	• Vuwani Ponds • Makhado WWTW	• Thusang Ponds • Rebone Ponds • Mhinga Ponds • Malamulele WWTW
Mpumalanga	**48**	13 • Davel WWTW • Lothair WWTW • Belfast WWTW • Ermelo WWTW • Chrissesmeer WWTW • Breyten AS WWTW • Breyten Ponds WWTW • Waterval Boven WWTW • eMthonjeni WWTW • eMbalenhle WWTW • Bethal WWTW • Leandra WWTW • Boskrans	13 • Mkhuhlu WWTW • Tintiswalo Hospital WWTW • Mpuluzi-Mayflower WWTW • Ekulendeni-Kromdraai • Maviljan WWTW • Thulamahshe WWTW • Carolina • Badplass • Elukwatini • KwaMhlanga East Ponds • KwaMhlanga West Ponds • KwaMhlanga North Ponds • Tweefontein K WWTW	10 • Balfour WWTW • Greylingstad WWTW • Grootvlei Eskom • Hazyview WWTW • Umjindi WWTW • Standerton WWTW • Morgenzon WWTW • Botleng WWTW • Delmas WWTW • Mhlati Kop WWTW	12 • Amersfoort WWTW • Volksrust WWTW • Vukuzakhe WWTW • Perdekop WWTW • Wakkerstroom WWTW • Graskop WWTW • Lydenburg WWTW • Sabie WWTW • Klipspruit WWTW • Phola-Ogies WWTW • Riverview WWTW • Vaalbank WWTW
North West	**36**	10 • Mahikeng WWTW • Mmabatho WWTW • Zeerust WWTW • Groot Marico WWTW • Lehurutshe WWTW • Linchtenburg WWTW • Itsoseng WWTW • Ottosdal WWTW • Coligny WWTW • Sanieshhof WWTW	8 • Klerskdorp WWTW • Stilfontein WWTW • Orkney WWTW • Hartbeesfontein WWTW • Wolmaranstad WWTW • Ralukganang WWTW • Ventersdorp WWTW • Potchefstroom WWTW	7 • Vryburg WWTW • Schweizer-Reneke WWTW • Daleerayville WWTW • Taung WWTW • Kganyesa WWTW • Christianna WWTW • Bloemhof WWTW	11 • Brits WWTW • Mothotlung WWTW • Rietfontein WWTW • Letlabile WWTW • Rustenburg WWTW • Boitekong WWTW • Monakato WWTW • Swartrrugens WTW • Koster WWTW • Swartdam WWTW • Moses kotane WWTW
Northern Cape	**25**	9 • Vosburg WWTW • Prieska WWTW • Hotazel WWTW • Vanzylsrus WWTW • Beaconsfield WWTW • Ritchie WWTW • KommagasWWTW • CarolusbergWWTW • SpringbokWWTW	6 • Kathu WWTW • Deben WWTW • Olifantshoek WWTW • Douglas WWTW • Schimtsdrift WWTW • Pampierstad WWTW	5 • Windsorton WWTW • Delportshoop WWTW • Britstown WWTW • Loxton WWTW • Victoria West WWTW	5 • Motibistad WWTW • Kuruman WWTW • Petrusville WWTW • Vanderkloof WWTW • Phillps town WWTW
Western Cape	**33**	14 • Botriver WWTW • Caledon WWTW • Pniel WWTW • Wemmershoek WWTW • Ashton WWTW • Malmesbury WWTW • Gordons Bay WWTW • Macassar/Strand WWTW • Zandvliet WWTW • Klipperivier WWTW • Barrydale WWTW • Friemersheim WWTW • Prins Albert WWTW • Leeu-Gamka WWTW • Klaarstroom WWTW	16 • Arniston WWTW • Bredasdorp WWTW • Struisbaai WWTW • Fisantekraal WWTW • Laingville WWTW • Vredenberg WWTW • Vredendal South WWTW • Ebenhaeser WWTW • Strandfontein WWTW • Lutzville Wes WWTW • Koekenaap WWTW • Maaitjiesfontein WWTW • Laingsberg WWTW • Algeria WWTW • Citrusdal WWTW • Wuppertahal WWTW	3 • Knysna WWTW • Outeniqua WWTW • Gwaing WWTW	-
Sub-total	**341**	**94**	**96**	**84**	**67**

PPI No 5.1.6: Number of non-compliant water supply systems monitored against the Regulatory Requirements

No	Province	WSA	WSS
Sub-total Eastern Cape: 39			
1.	Eastern Cape	Amatole DM	Amahlathi LM - Kei Road
2.	Eastern Cape	Amatole DM	Amahlathi LM - Cathcart
3.	Eastern Cape	Amatole DM	Amahlathi LM - Stutterheim
4.	Eastern Cape	Amatole DM	Great Kei LM - Kei Mouth
5.	Eastern Cape	Amatole DM	Great Kei LM - Morgans Bay
6.	Eastern Cape	Amatole DM	Mbhashe LM - Nqadu
7.	Eastern Cape	Amatole DM	Mbhashe LM - Qwaninga
8.	Eastern Cape	Chris Hani DM	Lukhanji - Queenstown Supply System
9.	Eastern Cape	Chris Hani DM	Lukhanji - Whittlesea Supply System
10.	Eastern Cape	Chris Hani DM	Engcobo - Engcobo Town Supply System
11.	Eastern Cape	Chris Hani DM	Engcobo - Gqaga Supply System
12.	Eastern Cape	Chris Hani DM	Engcobo - Nkobongo Supply System
13.	Eastern Cape	Chris Hani DM	Intsika Yethu - Tsojana Supply System
14.	Eastern Cape	Chris Hani DM	Intsika Yethu -Tsomo Service System
15.	Eastern Cape	Joe -Gqabi DM	Elundini LM - Mt Fletcher
16.	Eastern Cape	Joe -Gqabi DM	Elundini LM - Ugie
17.	Eastern Cape	Nelson Mandela MM	Groendal WTW
18.	Eastern Cape	Nelson Mandela MM	Linton WTW
19.	Eastern Cape	Kou Kamma LM	Clarkson
20.	Eastern Cape	Kou Kamma LM	Kareedouw
21.	Eastern Cape	Kou Kamma LM	Krakeel
22.	Eastern Cape	Kou Kamma LM	Storms River
23.	Eastern Cape	Kou Kamma LM	Woodlands
24.	Eastern Cape	Dr Beyers Naude LM	Aberdeen
25.	Eastern Cape	Dr Beyers Naude LM	Graaf Reinet
26.	Eastern Cape	Dr Beyers Naude LM	Nieu Bethesda
27.	Eastern Cape	Dr Beyers Naude LM	Sewefontein
28.	Eastern Cape	Dr Beyers Naude LM	Steytleville
29.	Eastern Cape	Dr Beyers Naude LM	Vondeling
30.	Eastern Cape	Dr Beyers Naude LM	Waterford
31.	Eastern Cape	Dr Beyers Naude LM	Wolwefontein
32.	Eastern Cape	OR Tambo DM	Corana
33.	Eastern Cape	OR Tambo DM	Mhlanga
34.	Eastern Cape	OR Tambo DM	Ngqeleni
35.	Eastern Cape	OR Tambo DM	Port St Johns
36.	Eastern Cape	OR Tambo DM	Tsolo
37.	Eastern Cape	OR Tambo DM	Umzimvubu
38.	Eastern Cape	Kouga LM	Jeffreys Bay
39.	Eastern Cape	Kouga LM	St. Francis Bay
Sub-total Free State : 34			
1.	Free State	Masilonyana LM	Theunissen
2.	Free State	Masilonyana LM	Winburg
3.	Free State	Masilonyana LM	Brandfort
4.	Free State	Dihlabeng LM	Fouriesburg
5.	Free State	Dihlabeng LM	Clarens
6.	Free State	Maluti-a-Phofung LM	Fika Patso
7.	Free State	Maluti-a-Phofung LM	Makwane
8.	Free State	Letsemeng LM	Jacobsdal
9.	Free State	Letsemeng LM	Koffiefontein
10.	Free State	Mohokare LM	Zastron
11.	Free State	Ngwathe LM	Parys
12.	Free State	Ngwathe LM	Vredefort
13.	Free State	Tswelopele LM	Bultfontein
14.	Free State	Phumelela LM	Warden
15.	Free State	Phumelela LM	Memel
16.	Free State	Mafube LM	Cornelia
17.	Free State	Mafube LM	Frankfort
18.	Free State	Mafube LM	Tweeling
19.	Free State	Mafube LM	Villiers
20.	Free State	Tokologo LM	Dealesville
21.	Free State	Tokologo LM	Boshof
22.	Free State	Metsimaholo LM	Groenpunt
23.	Free State	Metsimaholo LM	Oranjeville
24.	Free State	Moqhaka LM	Steynsrus
25.	Free State	Mantsopa LM	Tweespruit
26.	Free State	Mantsopa LM	Excelsior
27.	Free State	Setsoto LM	Senekal
28.	Free State	Setsoto LM	Marquard
29.	Free State	Mangaung MM	Soutpan
30.	Free State	Mangaung MM	Vanstadensrus
31.	Free State	Mangaung MM	Welbedacht

No	Province	WSA	WSS
32.	Free State	Mangaung MM	Maselspoort
33.	Free State	Kopanong LM	Phillipolis
34.	Free State	Kopanong LM	Jaggersfontein
Sub-total Gauteng : 9			
1.	Gauteng	City of Tshwane	Cullinan
2.	Gauteng	City of Tshwane	Temba
3.	Gauteng	City of Tshwane	Bronkhorstspruit
4.	Gauteng	City of Tshwane	Bronkhorsbaai
5.	Gauteng	City of Tshwane	Walmanthal
6.	Gauteng	City of Tshwane	Summerplace
7.	Gauteng	Emfuleni LM	Emfuleni
8.	Gauteng	Emfuleni LM	Vaaloewer
9.	Gauteng	Midvaal LM	Vaal Marina
Sub-total Kwa-Zulu Natal :76			
1.	Kwazulu-Natal	Amajuba DM	Utrecht LM- Utrecht (Utrecht TW) - uTW (WSP)
2.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Esiqandulini
3.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	St Appolinaris
4.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Umzimkhulu
5.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Hlanganani/Polela
6.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Nokweja
7.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Bulwer
8.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Riverside
9.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Washbank/Highlands
10.	Kwazulu-Natal	Harry Gwala (Sisonke) DM	Weza
11.	Kwazulu-Natal	Ugu DM	KwaMbotho
12.	Kwazulu-Natal	Umgungundlovu DM	Makeni
13.	Kwazulu-Natal	uMkhanyakude DM	Nzinga
14.	Kwazulu-Natal	uMkhanyakude DM	Makhonyeni
15.	Kwazulu-Natal	uMkhanyakude DM	Mbazwana
16.	Kwazulu-Natal	uMkhanyakude DM	Mseleni
17.	Kwazulu-Natal	uMkhanyakude DM	Thengani
18.	Kwazulu-Natal	uMkhanyakude DM	Manguzi
19.	Kwazulu-Natal	uMkhanyakude DM	Enkanyezini
20.	Kwazulu-Natal	uMkhanyakude DM	Mjindi Central
21.	Kwazulu-Natal	uMkhanyakude DM	Mpembeni
22.	Kwazulu-Natal	uMkhanyakude DM	Hluhluwe Phase1
23.	Kwazulu-Natal	uMkhanyakude DM	Mkuze
24.	Kwazulu-Natal	uMkhanyakude DM	Shemula
25.	Kwazulu-Natal	uMkhanyakude DM	Mtubatuba
26.	Kwazulu-Natal	uMzinyathi DM	Qudeni WTW
27.	Kwazulu-Natal	uMzinyathi DM	Isandlwana
28.	Kwazulu-Natal	uMzinyathi DM	Vant's Drift
29.	Kwazulu-Natal	uMzinyathi DM	Nondweni WTW
30.	Kwazulu-Natal	uMzinyathi DM	Amakhabaleni
31.	Kwazulu-Natal	uMzinyathi DM	Greytown WTWs
32.	Kwazulu-Natal	uMzinyathi DM	Sampofu
33.	Kwazulu-Natal	uMzinyathi DM	Muden
34.	Kwazulu-Natal	uMzinyathi DM	Fabeni WTW
35.	Kwazulu-Natal	uThukela DM	Archie Rodel
36.	Kwazulu-Natal	uThukela DM	Winterton
37.	Kwazulu-Natal	uThukela DM	Colenso
38.	Kwazulu-Natal	uThukela DM	Zakheni
39.	Kwazulu-Natal	uThukela DM	Ladysmith
40.	Kwazulu-Natal	uThukela DM	Moyeni
41.	Kwazulu-Natal	uThukela DM	Langkloof
42.	Kwazulu-Natal	uThukela DM	Bergville
43.	Kwazulu-Natal	uThukela DM	Umhlumayo
44.	Kwazulu-Natal	uThukela DM	Tugela Estate
45.	Kwazulu-Natal	uThukela DM	Olifantskop
46.	Kwazulu-Natal	uThukela DM	Weenen
47.	Kwazulu-Natal	King Cetshwayo (uThungulu) DM	Umlalazi Package plants
48.	Kwazulu-Natal	King Cetshwayo (uThungulu) DM	Nkandla Rudimentary
49.	Kwazulu-Natal	King Cetshwayo (uThungulu) DM	Melmoth
50.	Kwazulu-Natal	King Cetshwayo (uThungulu) DM	Eshowe
51.	Kwazulu-Natal	King Cetshwayo (uThungulu) DM	Greater Mthonjaneni
52.	Kwazulu-Natal	iLembe DM	Isithundu WTW
53.	Kwazulu-Natal	iLembe DM	Sundumbili
54.	Kwazulu-Natal	iLembe DM	Nsuze Water Supply
55.	Kwazulu-Natal	iLembe DM	Montebello Hospital
56.	Kwazulu-Natal	iLembe DM	Esidumbini
57.	Kwazulu-Natal	iLembe DM	Hlanganani
58.	Kwazulu-Natal	iLembe DM	Ethembeni
59.	Kwazulu-Natal	iLembe DM	Isiminya
60.	Kwazulu-Natal	iLembe DM	Hlimbithwa

No	Province	WSA	WSS
61.	Kwazulu-Natal	Zululand DM	Belgrade
62.	Kwazulu-Natal	Zululand DM	Belgrade New
63.	Kwazulu-Natal	Zululand DM	Sovane
64.	Kwazulu-Natal	Zululand DM	Nkosentsha
65.	Kwazulu-Natal	Zululand DM	Ulundi Nkonjeni
66.	Kwazulu-Natal	Zululand DM	Nongoma (Vuna)
67.	Kwazulu-Natal	Zululand DM	Khambi
68.	Kwazulu-Natal	Zululand DM	Mpungamhlophe
69.	Kwazulu-Natal	Zululand DM	Frischgewaagd Bilanyoni
70.	Kwazulu	Zululand DM	Tholakele
71.	Kwazulu	Zululand DM	eDumbe
72.	Kwazulu	Zululand DM	eMondlo
73.	Kwazulu	Zululand DM	Klipfontein
74.	Kwazulu	Zululand DM	Hlobane
75.	Kwazulu	Zululand DM	Coronation
76.	Kwazulu	Zululand DM	Louwsberg
Sub-total Limpopo : 56			
1.	Limpopo	Capricorrn DM	Mashashane
2.	Limpopo	Capricorrn DM	Olifantspoort
3.	Limpopo	Capricorrn DM	Molepo
4.	Limpopo	Capricorrn DM	Zebediela
5.	Limpopo	Capricorrn DM	Senwabarwana
6.	Limpopo	Capricorrn DM	Mogwadi
7.	Limpopo	Capricorrn DM	Botlokwa
8.	Limpopo	Polokwane LM	Hourtriver
9.	Limpopo	Mopani DM	Greater Tzaneen
10.	Limpopo	Mopani DM	Letsitele
11.	Limpopo	Mopani DM	Nkowankowa
12.	Limpopo	Mopani DM	Drankinsig
13.	Limpopo	Mopani DM	Thapane
14.	Limpopo	Mopani DM	Thabina
15.	Limpopo	Mopani DM	Semarela
16.	Limpopo	Mopani DM	The Oaks
17.	Limpopo	Mopani DM	Finale
18.	Limpopo	Mopani DM	Phalaborwa
19.	Limpopo	Mopani DM	Giyani
20.	Limpopo	Mopani DM	Zava
21.	Limpopo	Mopani DM	Nondweni
22.	Limpopo	Mopani DM	Middle Letaba
23.	Limpopo	Mopani DM	Thapane
24.	Limpopo	Mopani DM	Ebenezer
25.	Limpopo	Sekhukhune DM	Burgersfort
26.	Limpopo	Sekhukhune DM	Tubatse
27.	Limpopo	Sekhukhune DM	Masemola
28.	Limpopo	Sekhukhune DM	Marishane
29.	Limpopo	Sekhukhune DM	Vergelegeen
30.	Limpopo	Sekhukhune DM	Hlogotlou
31.	Limpopo	Sekhukhune DM	Nkosini
32.	Limpopo	Sekhukhune DM	Penge
33.	Limpopo	Sekhukhune DM	Moutse
34.	Limpopo	Sekhukhune DM	Ngwaabe
35.	Limpopo	Sekhukhune DM	Mapodile
36.	Limpopo	Sekhukhune DM	Moroke
37.	Limpopo	Vhembe DM	Makhado (louis trichardt)
38.	Limpopo	Vhembe DM	Malamulele water supply system
39.	Limpopo	Vhembe DM	Mutshedzi water supply system
40.	Limpopo	Vhembe DM	Luphephe-nwanedi supply system
41.	Limpopo	Lephalale LM	Zeeland
42.	Limpopo	Lephalale LM	Matimba
43.	Limpopo	Lephalale LM	Mokurunyane
44.	Limpopo	Lephalale LM	Seleka
45.	Limpopo	Lephalale LM	Witpoort
46.	Limpopo	Lephalale LM	Shongoane
47.	Limpopo	Modimolle /Mookgopong LM	Roedtan
48.	Limpopo	Modimolle /Mookgopong LM	Velgewonden
49.	Limpopo	Modimolle /Mookgopong LM	Modimolle/Magalies
50.	Limpopo	Modimolle /Mookgopong LM	Mabatlane
51.	Limpopo	Modimolle /Mookgopong LM	Mabaleng
52.	Limpopo	Thabazimbi LM	Schilpadnest
53.	Limpopo	Thabazimbi LM	Leeupoort
54.	Limpopo	Thabazimbi LM	Rooiberg
55.	Limpopo	Thabazimbi LM	Northam
56.	Limpopo	Thabazimbi LM	Thabazimbi/Magalies
Sub-total Mpumalanga : 55			

No	Province	WSA	WSS
1.	Mpumalanga	Nkomazi LM	Langeloop
2.	Mpumalanga	Nkomazi LM	Sibange
3.	Mpumalanga	Nkomazi LM	Mbuzini
4.	Mpumalanga	Nkomazi LM	Komatipoort
5.	Mpumalanga	Nkomazi LM	Marlothpark
6.	Mpumalanga	Nkomazi LM	Ntunda
7.	Mpumalanga	Nkomazi LM	Malelani
8.	Mpumalanga	Nkomazi LM	Low Creek
9.	Mpumalanga	Nkomazi LM	Nkomazi Rudimentary Boreholes
10.	Mpumalanga	Nkomazi LM	Tonga
11.	Mpumalanga	Nkomazi LM	Fig tree/ Masibekele
12.	Mpumalanga	Nkomazi LM	Nyathi
13.	Mpumalanga	Bushbuckridge LM	Zoeknog
14.	Mpumalanga	Bushbuckridge LM	Marite
15.	Mpumalanga	Bushbuckridge LM	Sandriver
16.	Mpumalanga	Bushbuckridge LM	Shatale
17.	Mpumalanga	Bushbuckridge LM	Edinburg B
18.	Mpumalanga	Bushbuckridge LM	Thulamahashi
19.	Mpumalanga	Bushbuckridge LM	Acornhoek
20.	Mpumalanga	Bushbuckridge LM	Cork
21.	Mpumalanga	Bushbuckridge LM	Thorndale
22.	Mpumalanga	Bushbuckridge LM	Sigagule
23.	Mpumalanga	Dr JS Moroka LM	Weltervreden
24.	Mpumalanga	Emakhazeni LM	Entokozweni (Machadodorp)
25.	Mpumalanga	Emakhazeni LM	Watervaal Boven
26.	Mpumalanga	Chief Albert Luthuli LM	Badplaas
27.	Mpumalanga	Chief Albert Luthuli LM	Bettysgoed
28.	Mpumalanga	Chief Albert Luthuli LM	Carolina
29.	Mpumalanga	Chief Albert Luthuli LM	Ekulindeni
30.	Mpumalanga	Chief Albert Luthuli LM	Elukwatini
31.	Mpumalanga	Chief Albert Luthuli LM	Empuluzi/ Mayflower
32.	Mpumalanga	Chief Albert Luthuli LM	Fernie
33.	Mpumalanga	Msukwaligwa LM	Breyten
34.	Mpumalanga	Msukwaligwa LM	Davel
35.	Mpumalanga	Msukwaligwa LM	Douglas dam water works
36.	Mpumalanga	Msukwaligwa LM	Eskom Camden
37.	Mpumalanga	Msukwaligwa LM	Lothair
38.	Mpumalanga	Msukwaligwa LM	South works (noitgedacht farm)
39.	Mpumalanga	Dipaleseng LM	Balfour WTW
40.	Mpumalanga	Lekwa LM	Morgenzon
41.	Mpumalanga	Lekwa LM	Standerton
42.	Mpumalanga	Dr Prixely Ka Isaka Seme LM	Amesfoort
43.	Mpumalanga	Dr Prixely Ka Isaka Seme LM	Volkrust WTW
44.	Mpumalanga	Dr Prixely Ka Isaka Seme LM	Vukuzakhe
45.	Mpumalanga	Dr Prixely Ka Isaka Seme LM	Wakkerstroom
46.	Mpumalanga	Mkhondo LM	Amstedam
47.	Mpumalanga	Mkhondo LM	Mkhondo WSS
48.	Mpumalanga	City of Mbombela LM	Sheba
49.	Mpumalanga	City of Mbombela LM	Rimers
50.	Mpumalanga	City of Mbombela LM	Kanyamazane
51.	Mpumalanga	Thaba Chweu LM	Graskop
52.	Mpumalanga	Thaba Chweu LM	Lydenburg
53.	Mpumalanga	Thaba Chweu LM	Sabie
54.	Mpumalanga	Steve Tshwete LM	Presidentsrus
55.	Mpumalanga	eMalahleni LM	Witbank
Sub-total North West : 28			
1.	North West	Dr Ruth S Mompati DM	Barolong
2.	North West	Dr Ruth S Mompati DM	Bogosing
3.	North West	Dr Ruth S Mompati DM	Ganyisa
4.	North West	Dr Ruth S Mompati DM	Ga-Rapapi
5.	North West	Dr Ruth S Mompati DM	Kgomotso
6.	North West	Dr Ruth S Mompati DM	Bloemhof
7.	North West	Dr Ruth S Mompati DM	Christiana
8.	North West	Dr Ruth S Mompati DM	Schweizer-Reneke
9.	North West	Dr Ruth S Mompati DM	Pudimore
10.	North West	Dr Ruth S Mompati DM	Erika
11.	North West	Maquassi Hills LM	Wolmaranstad town
12.	North West	JB Marks LM	Potchefstroom
13.	North West	JB Marks LM	Ventersdorp
14.	North West	Kgetleng Rivier LM	Koster
15.	North West	Kgetleng Rivier LM	Swartruggens
16.	North West	Madibeng LM	Brits
17.	North West	Madibeng LM	Hartbeespoort
18.	North West	Moretele LM	Temba

No	Province	WSA	WSS
19.	North West	Moses Kotane LM	Madikwe
20.	North West	Moses Kotane LM	Molatedi
21.	North West	Moses Kotane LM	Pella
22.	North West	Ngaka Modiri Molema DM	Mafikeng/Mmabatho
23.	North West	Ngaka Modiri Molema DM	Zeerust
24.	North West	Ngaka Modiri Molema DM	Great Marico Package
25.	North West	Ngaka Modiri Molema DM	Motswedi and Gopane
26.	North West	Rustenburg LM	Vaalkop
27.	North West	Rustenburg LM	Boospoort
28.	North West	Midvaal LM	Midvaal Water
Sub-total Nortthern Cape : 47			
1.	Northern Cape	Kai Gariep LM	Augrabies
2.	Northern Cape	Kai Gariep LM	Eksteenskul
3.	Northern Cape	Kai Gariep LM	Alheit
4.	Northern Cape	Kai Gariep LM	Cilie
5.	Northern Cape	Kai Gariep LM	Marchant
6.	Northern Cape	Namaqua LM	Kommagas
7.	Northern Cape	Namaqua LM	Henkries
8.	Northern Cape	Kareeberg LM	Carnarvon
9.	Northern Cape	Joe Morolong LM	Bothetheletsa
10.	Northern Cape	Joe Morolong LM	Bothitong
11.	Northern Cape	Joe Morolong LM	Manyeding upper
12.	Northern Cape	Joe Morolong LM	Manyeding lower
13.	Northern Cape	Joe Morolong LM	Tsineng
14.	Northern Cape	Joe Morolong LM	Laxley
15.	Northern Cape	Joe Morolong LM	Dithakong
16.	Northern Cape	Gamagara LM	Olifantshoek
17.	Northern Cape	Siyancuma LM	Schimtsdrift
18.	Northern Cape	Phokwane LM	Pampierstad
19.	Northern Cape	!Kheis LM	Grootdrink
20.	Northern Cape	!Kheis LM	Brandboom/Boegoeberg
21.	Northern Cape	!Kheis LM	Gariep
22.	Northern Cape	Ga-segonyana LM	Bankhara/Bodulong
23.	Northern Cape	Ga-segonyana LM	Ditshoswaneng
24.	Northern Cape	Ga-segonyana LM	Gantetelang
25.	Northern Cape	Ga-segonyana LM	Mokalamosesane
26.	Northern Cape	Ga-segonyana LM	Seven Miles
27.	Northern Cape	Ga-segonyana LM	Thamoyanche
28.	Northern Cape	Ga-segonyana LM	Gamopedi
29.	Northern Cape	Tsantsabane LM	Groenwater
30.	Northern Cape	Tsantsabane LM	Skeifontein
31.	Northern Cape	Tsantsabane LM	Jenn Haeven
32.	Northern Cape	Kgatelopele LM	Idwala Lime
33.	Northern Cape	Kgatelopele LM	Line Acress
34.	Northern Cape	Kgatelopele LM	Owendale
35.	Northern Cape	Magareng LM	Warrenton
36.	Northern Cape	Dikgatlong LM	Barkley West
37.	Northern Cape	Dikgatlong LM	Windsorton
38.	Northern Cape	Dikgatlong LM	Holpan
39.	Northern Cape	Emtanjeni LM	De Aar
40.	Northern Cape	Emtanjeni LM	Britstown
41.	Northern Cape	Ubuntu LM	Merriman
42.	Northern Cape	Ubuntu LM	Hutchison
43.	Northern Cape	Khai-Ma LM	Onseenkamp
44.	Northern Cape	Khai-Ma LM	Witbank
45.	Northern Cape	Kamiesberg LM	Garies
46.	Northern Cape	Kamiesberg LM	Kheis
47.	Northern Cape	Kamiesberg LM	Karkamas
Sub-total Western Cape : 11			
1.	Western Cape	Theewaterskloof LM	Bot Rivier
2.	Western Cape	Theewaterskloof LM	Rivier Sonder End
3.	Western Cape	Stellenbosch LM	Franschoek
4.	Western Cape	Saldanah Bay LM	Laingville
5.	Western Cape	Saldanah Bay LM	Vredenberg
6.	Western Cape	Matzikama LM	Bitterfontein
7.	Western Cape	Swellendam LM	Barrydale
8.	Western Cape	Swellendam LM	Swellendam
9.	Western Cape	Berg Rivier LM	Piketberg
10.	Western Cape	Prince Albert LM	Leeu-Gamka
11.	Western Cape	Laingsberg LM	Laingsberg
Total :355			

Appendix 5: District Development Model

OR Tambo DM Infrastructure projects and Green Drop Systems

No.	Project Name	Location	Status
1.	Lusikisiki regional water supply scheme: Zalu Dam on the Xura River	O R Tambo DM, Eastern Cape	RID
2.	OR Tambo Mthatha King Sabata Dalindyebo district municipality bulk water supply	OR Tambo DM, Eastern Cape	Construction
3.	Ingquza Hill bulk water supply	O R Tambo DM, Eastern Cape	Completed
4.	Mbizana regional bulk water supply	O R Tambo DM, Eastern Cape	Completed
5.	Coffee bay water treatment works	O R Tambo DM, Eastern Cape	Feasibility
6.	Bizana	O R Tambo DM, Eastern Cape	System assessment
7.	Flagstaff	O R Tambo DM, Eastern Cape	System assessment
8.	Lusikisiki	O R Tambo DM, Eastern Cape	System assessment
9.	Mqanduli	O R Tambo DM, Eastern Cape	System assessment
10.	Mthatha	O R Tambo DM, Eastern Cape	System assessment
11.	Ngqeleni	O R Tambo DM, Eastern Cape	System assessment
12.	Ntabankulu	O R Tambo DM, Eastern Cape	System assessment
13.	Port St Johns	O R Tambo DM, Eastern Cape	System assessment
14.	Qumbu	O R Tambo DM, Eastern Cape	System assessment
15.	Tsolo	O R Tambo DM, Eastern Cape	System assessment

Alfred Nzo DM Infrastructure projects and Green Drop Systems

No.	Project Name	Location	Status
1.	Matatiela Bulk Water Supply	Alfred Nzo DM, Eastern Cape	Construction
2.	Greater Bizana Water Supply	Alfred Nzo DM, Eastern Cape	Construction
3.	Ntabankulu bulk water supply	Alfred Nzo DM, Eastern Cape	Construction
4.	Mount Ayliff bulk peri-urban water supply	Alfred Nzo DM, Eastern Cape	Construction
5.	Mzimvubu Water Supply	Alfred Nzo DM, Eastern Cape	Construction
6.	Bizana	Alfred Nzo DM, Eastern Cape	System assessment
7.	Cedarville	Alfred Nzo DM, Eastern Cape	System assessment
8.	Matatiele	Alfred Nzo DM, Eastern Cape	System assessment
9.	Mount Ayliff	Alfred Nzo DM, Eastern Cape	System assessment
10.	Mount Frere	Alfred Nzo DM, Eastern Cape	System assessment
11.	Ntabankulu	Alfred Nzo DM, Eastern Cape	System assessment

Waterberg Infrastructure projects and Green Drop Systems

No.	Project Name	Location	Status
1.	Mokolo and Crocodile water Augmentation Project (MCWAP) Phases 2A	Waterberg DM, Limpopo	EIA
2.	Magalies water supply to Waterberg (Klipvoor)	Waterberg DM, Limpopo	Feasibility
3.	Mogalakwena bulk water supply phase 2	Waterberg DM, Limpopo	Construction
4.	Lephalale/ Eskom: Bulk water augmentation	Waterberg DM, Limpopo	Feasibility
5.	Pienaarsrivier waste water supply system	Waterberg DM, Limpopo	System assessment
6.	Radium waste water supply system	Waterberg DM, Limpopo	System assessment
7.	Witpoort	Waterberg DM, Limpopo	System assessment
8.	Zongesien	Waterberg DM, Limpopo	System assessment
9.	Modimolle	Waterberg DM, Limpopo	System assessment
10.	Vaalwater	Waterberg DM, Limpopo	System assessment
11.	Mokopane old & New	Waterberg DM, Limpopo	System assessment
12.	Rebone	Waterberg DM, Limpopo	System assessment
13.	Naboomspruit	Waterberg DM, Limpopo	System assessment
14.	Seshego	Waterberg DM, Limpopo	System assessment
15.	Northam	Waterberg DM, Limpopo	System assessment
16.	Rooiberg	Waterberg DM, Limpopo	System assessment

Ethekwini Infrastructure projects and Green Drop Systems

No.	Project Name	Location	Status
1.	Mdloti River development project: Raising of Hazelmere Dam	iLembe DM, KwaZulu-Natal	Construction
2.	Amanzimtoti	eThekwini Metropolitan Municipality	System assessment
3.	Cato Ridge	eThekwini Metropolitan Municipality	System assessment
4.	Central	eThekwini Metropolitan Municipality	System assessment
5.	Craigieburn	eThekwini Metropolitan Municipality	System assessment
6.	Dassenhoek	eThekwini Metropolitan Municipality	System assessment
7.	Fredville	eThekwini Metropolitan Municipality	System assessment
8.	Fredville	eThekwini Metropolitan Municipality	System assessment
9.	Genazzano	eThekwini Metropolitan Municipality	System assessment
10.	Glenwood Road	eThekwini Metropolitan Municipality	System assessment
11.	Hammarsdale	eThekwini Metropolitan Municipality	System assessment
12.	Hillcrest	eThekwini Metropolitan Municipality	System assessment
13.	Isipingo	eThekwini Metropolitan Municipality	System assessment
14.	Kingsburgh	eThekwini Metropolitan Municipality	System assessment
15.	KwaMashu	eThekwini Metropolitan Municipality	System assessment
16.	KwaNdengezi	eThekwini Metropolitan Municipality	System assessment
17.	Magabeni	eThekwini Metropolitan Municipality	System assessment
18.	Mpumalanga	eThekwini Metropolitan Municipality	System assessment
19.	New Germany	eThekwini Metropolitan Municipality	System assessment
20.	Northern Works	eThekwini Metropolitan Municipality	System assessment
21.	Phoenix	eThekwini Metropolitan Municipality	System assessment
22.	Southern	eThekwini Metropolitan Municipality	System assessment
23.	Tongaat Central	eThekwini Metropolitan Municipality	System assessment
24.	Umbilo	eThekwini Metropolitan Municipality	System assessment
25.	Umdloti	eThekwini Metropolitan Municipality	System assessment
26.	Umhlanga	eThekwini Metropolitan Municipality	System assessment
27.	Umhlatuzana	eThekwini Metropolitan Municipality	System assessment
28.	Umkomaas	eThekwini Metropolitan Municipality	System assessment
29.	Verulam	eThekwini Metropolitan Municipality	System assessment