

## **A. WATER SERVICES AUTHORITY ADMINISTRATION**

### **Introduction: Strategic Perspective and Methodology**

Every WSA has a duty to all customers or potential customers in its area of jurisdiction to progressively ensure efficient, affordable, economical and sustainable access to water services that promote sustainable livelihoods and economic development.

Sections 12 and 13 of the Water Services Act (Act No 108 of 1997) place a duty on WSAs to prepare and maintain a WSDP. The DWS has developed a new WSDP website (Rolled-out to all WSAs during 2017) to assist WSAs with their WSDP process and to provide a framework for the capturing of the data. The business elements included in the new WSDP website are as follows:

- Administration
  - Role Player Details
  - Sector Integrations
  - Service Provider
- Information and Comprehensive Overview
  - Settlement Demographics and Public Amenities
  - Service Levels Profile
  - Water Services Asset Management (Information)
  - Water Services O&M
  - Conservation and Demand Management
  - Water Resources
  - Finance
  - Water Services Institutional Arrangements and Customer Services
- Master Plan
  - Settlement Demographics and Public Amenities
  - Service Levels Profile
  - Water Services Asset Management
  - Water Services O&M
  - Conservation and Demand Management
  - Water Resources
  - Existing Needs Perspective
  - Water Master Plan Perspective
  - Overall Topic Strategies
- Project Management

## **WSDP Process**

This 2017-2022 WSDP of Langeberg Municipality is an update of Langeberg Municipality's 2015/2016 WSDP. The WSDP was drafted according to the DWS's new WSDP website, as rolled out to the Municipalities in the Cape Winelands Region on the 17<sup>th</sup> of October 2017. The WSDP is aligned and integrated with the 2019/2020 IDP of Langeberg Municipality and needs to form an integrated part of the next IDP public participation and consultation process. The IDP is predominantly strategic as opposed to the WSDP that are more operationally orientated with regard to water and sanitation services.

Part of the WSDP is to identify strategies (Master Plan) that need to be developed to address the information shortfalls and other constraints, which impact on service delivery. The implementation strategies should not constitute a wish-list but must be reasonable and achievable within the capital and operational budget and staff constraints of Langeberg Municipality. The WSDP should be revised regularly, reporting the information for the previous five years and the projected future requirements. It is not a stagnant document, but rather a living process reliant on improvement and enhancement through the input provided by councillors, officials and technical assistants.

The 2017-2022 WSDP consists of the following documents.

- WSDP-IDP Sector Input Report (Executive Summary Report that can be used for Council approval and the Public Participation Process)
- Administration, Information and Comprehensive Overview Report
- Master Plan: Future Demand and Functionality Requirements Report

The WSDP was approved by Council on the 1<sup>st</sup> of December 2020.

## **WSDP'S as set out in the Strategic Framework for Water Services (September 2003)**

The primary instrument of planning in the water services sector is the WSDP. The following principles apply to the WSDP:

- All WSAs must develop a WSDP.
- A new plan must be developed every five years and the plan should be updated as necessary and appropriate in the interim years.
- The WSDP must be integrated with the IDP of the municipality, as required in terms of the Municipal Systems Act.
- The WSDP must integrate water supply planning with sanitation planning.
- The WSDP must integrate technical planning with social, institutional, financial and environmental planning. The planning of capital expenditure must also be integrated with the associated operation and maintenance requirements and expenditures.
- The WSDP must be informed by the business plans developed by water services providers and with the plans of any regional water services providers, as relevant.
- The plan must take into account the impact of HIV/Aids on future water demand.
- The WSDP must integrate with the catchment management strategy.
- The planning process must take into account the views of all important stakeholders, including communities, through a consultative and participatory process. Every effort must be made to ensure the adequate and meaningful participation of women in consultation forums.
- The draft plan must be made available for public and stakeholder comment and all comments made must be considered when preparing the final plan.
- The contents of the WSDP must be communicated to all important stakeholders, including DWA.
- A WSA must report annually and in a public way on progress in implementing the plan.

## WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW

### A: WSA ADMINISTRATION

The primary purpose of the WSDP is to assist WSAs to carry out their mandate effectively. It is an important tool to assist the WSA to develop a realistic long-term investment plan which prioritises the provision of basic water services, promotes economic development and is affordable and sustainable over time.

The progressive development of the WSDP is two-phased. On the one hand it involves updating of the information content on which to base latest planning initiatives. On the other hand the structure and functionality of the framework itself will progressively be enhanced and improved.

The current guideline introduces a strategic theme to each of the business elements. Strategic approaches need to be defined and implemented in order to bridge the gap between the status quo, its existing information levels and the proposed visions and objectives for the Municipality, in relation to the delivery of water services. In particular:

- What needs to be done to bridge the gap?
- What are the different options towards achieving the objectives / priorities?
- What are the constraints in terms of the options?
- What is feasible within the existing constraints?
- What assumptions are being made?
- What aspects need to be flagged as being or relatively higher importance than others?

#### Name of WSA

Langeberg Municipality is responsible for ensuring provision of water services within their area of jurisdiction and has the constitutional responsibility for planning, ensuring access to, and regulating provision of water services within their area of jurisdiction.

One of the visions of the Sector is that water supply and sanitation services are provided by effective, efficient and sustainable institutions that are accountable and responsive to those whom they serve (SFWS).

One of the goals of the Sector is that all WSAs are accountable to their citizens, have adequate capacities to make wise choices (related to water services providers) and are able to regulate water services provision effectively (SFWS).

Langeberg Municipality is located within the Cape Winelands District Municipality, covering an approximate area of 4 517.4km, housing 12 wards, with the Breede Valley Municipality to the North and West, Theewaterskloof Municipality to the South and Swellendam; Kannaland and Laingsburg Municipalities to the East. Langeberg Municipality can be categorized as a rural area with open spaces and farming activities taking up most of the land within the municipal area.

| Table A.1: Name of WSA |                              |
|------------------------|------------------------------|
| Name                   | Langeberg Municipality       |
| Street Address         | 28 Main Road, Ashton         |
| Postal Address         | Private Bag X2, Ashton, 6715 |
| Reference No.          | WC026                        |

#### Status of WSDP

The WSDP was approved by Langeberg Municipality's Council on the 1<sup>st</sup> of December 2020. Councilors must be aware of the targets and funding commitments made within the WSDP since they will be responsible for ensuring that these commitments are fulfilled. The WSDP will also serve as a project management tool to monitor the achievement of these commitments.

**WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW**  
**A: WSA ADMINISTRATION**

**A.1 ROLE PLAYER DETAILS**

The table below gives a summary of the contact details of the various role players and the interaction acknowledgement of the WSDP process of Langeberg Municipality.

| <b>Table A.1.1: Contact details of Role Players</b> |                                    |                 |              |              |              |                            |                                               |                                                     |
|-----------------------------------------------------|------------------------------------|-----------------|--------------|--------------|--------------|----------------------------|-----------------------------------------------|-----------------------------------------------------|
| <b>Position</b>                                     | <b>Designation</b>                 | <b>Person</b>   | <b>Tel</b>   | <b>Fax</b>   | <b>Cell</b>  | <b>Email</b>               | <b>Interaction Acknowledgement (Yes / No)</b> | <b>Interaction Acknowledge Signature (Yes / No)</b> |
| Municipal Manager                                   | Municipal Manager                  | Mr. SA Mokweni  | 023 615 8000 | 023 615 1563 | 082 820 4036 | smokweni@langeberg.gov.za  | Yes                                           |                                                     |
| Executive Mayor                                     | Executive Mayor                    | Mr. HM Jansen   | 023 615 8000 |              |              |                            | Yes                                           |                                                     |
| Water Services Councilor                            |                                    |                 |              |              |              |                            |                                               |                                                     |
| WSDP Contact                                        | Director: Engineering Services     | Mr. M Johnson   | 023 626 8200 | 023 615 1563 | 082 771 6613 | mjohnson@langeberg.gov.za  | Yes                                           |                                                     |
| IDP Manager                                         | IDP Manager                        | Mr. J Mfutwana  | 023 626 8200 | 023 626 2426 | 079 955 2211 | jmfutwana@langeberg.gov.za | Yes                                           |                                                     |
| PIMSS Senior Planner                                | -                                  | -               | -            | -            | -            | -                          | -                                             | -                                                   |
| Technical Services                                  | Director: Engineering Services     | Mr. M Johnson   | 023 626 8200 | 023 615 1563 | 082 771 6613 | mjohnson@langeberg.gov.za  | Yes                                           |                                                     |
| Treasurer                                           | Director: Financial Services (CFO) | Mr. B Brown     |              |              |              |                            | Yes                                           |                                                     |
| WSDP Data Custodian                                 | Assistant Manager Civil            | Mr F van Tonder | 082 906 6971 | 023 615 1563 | 082 906 6971 | fvtonder@langeberg.gov.za  | Yes                                           |                                                     |
| WSDP Custodian                                      | Assistant Manager Civil            | Mr F van Tonder | 082 906 6971 | 023 615 1563 | 082 906 6971 | fvtonder@langeberg.gov.za  | Yes                                           |                                                     |
| Data Official                                       | Assistant Manager Civil            | Mr F van Tonder | 082 906 6971 | 023 615 1563 | 082 906 6971 | fvtonder@langeberg.gov.za  | Yes                                           |                                                     |
| Acting Mayor                                        | -                                  | -               | -            | -            | -            | -                          | -                                             | -                                                   |
| Acting Mun. Manager                                 | -                                  | -               | -            | -            | -            | -                          | -                                             | -                                                   |
| PMU Manager                                         | PMU Manager                        | Mr NW Albertyn  | 023 626 8200 | 023 626 2426 | 082 894 7906 | nalbertyn@langeberg.gov.za | Yes                                           |                                                     |
| Chief Financial Officer                             | Director: Financial Services (CFO) | Mr. B Brown     |              |              |              |                            | Yes                                           |                                                     |
| Acting Chief Financial Officer                      | -                                  | -               | -            | -            | -            | -                          | -                                             | -                                                   |
| Housing                                             | Director: Community Services       | Mr M Mgajo      | 023 626 8200 | 023 615 1563 |              |                            | Yes                                           |                                                     |
| Environmental                                       | -                                  | -               | -            | -            | -            | -                          | -                                             | -                                                   |
| Infrastructure                                      | Director: Engineering Services     | Mr. M Johnson   | 023 626 8200 | 023 615 1563 | 082 771 6613 | mjohnson@langeberg.gov.za  | Yes                                           |                                                     |

## WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW

### A: WSA ADMINISTRATION

#### A.2 SECTOR INTREGRATION

Integration between the WSDP and the IDP is important in order to coordinate that the timing for the update of the WSDP is aligned with that of the IDP process implementation plan. The IDP process itself will form the primary route for political stakeholder involvement in the WSDP. In so doing, recommended actions to support the strategic planning of water services will be reflected in the IDP.

#### Process Followed

The following process will be followed for the updating of Langeberg Municipality's WSDP.

- All the water and sewerage infrastructure were visited in Robertson, McGregor, Bonnievale, Ashton and Montagu during March 2019.
- The final 2019/2020 Budget and IDP were incorporated into the WSDP where applicable.
- The draft WSDP documents were taken to Council for approval.
- The draft WSDP IDP Sector Input report will be placed on the Municipality's website for public comment.
- The draft WSDP documents were distributed to the DWS, the DLG and the neighbouring WSAs for their comments during July 2020.
- No comments were received on the draft WSDP documents and the WSDP documents were therefore finalised and taken to Council on the 1<sup>st</sup> of December 2020 for final approval by Council.

Section 14 of the Water Services Act requires that the WSA must take reasonable steps to bring its draft WSDP to the notice of a number of different stakeholders so that they have the opportunity to comment on it. Section 15 of the Act requires that the WSA must supply a copy of the WSDP to the Minister of Water Affairs, Minister of Provincial and Local Government, the relevant Province and all neighbouring WSAs.

The Langeberg Municipality's WSDP is an integrated and aligned Sectoral Plan of the IDP of Langeberg Municipality. The IDP Time Schedule for Langeberg Municipality for 2020/2021 is summarised in the table below.

| Table A.2.1: IDP Process Plan of the Municipality |                                                                                      |                   |
|---------------------------------------------------|--------------------------------------------------------------------------------------|-------------------|
| Task                                              | Activity                                                                             | Date              |
| IDP and Budget Process                            | Submit to SMT                                                                        | 7 August 2019     |
|                                                   | Approve Process Plan                                                                 | 30 August 2019    |
|                                                   | Notice to PGWC                                                                       | 3 September 2019  |
|                                                   | Public Notices of Process Plan                                                       | 10 September 2019 |
|                                                   | Strategic workshop with ward committees and inputs by communities in different wards | 31 October 2019   |
|                                                   | Strategic Workshop with Directors                                                    | 1 November 2019   |
|                                                   | Strategic Workshop with Langeberg Mayco                                              | 8 November 2019   |
|                                                   | Strategic Workshop with Council                                                      | 15 November 2019  |
| Review IDP Public Meetings and Budget             | Public Meetings for the IDP needs Review                                             | 31 October 2019   |
|                                                   | Public Sector Participation – Business/Health/Safety & Security etc.                 | 31 October 2019   |
|                                                   | Priorities from CWDM                                                                 | 31 October 2019   |
|                                                   | Ward Based Plan Review                                                               | 31 October 2019   |
|                                                   | Priorities from Directors                                                            | 31 October 2019   |
|                                                   | Drafting of Business Plans for Capital Projects – 20/21                              | 31 October 2019   |
|                                                   | Report to MM on Purpose Capital Projects - 20/21                                     | 8 November 2019   |
|                                                   | Submit Review IDP to Directors – Link Reviewed IDP to Budget                         | 22 November 2019  |
|                                                   | CWDM Coordinating Strategic Workshop                                                 | 22 November 2019  |
|                                                   | Updating of IDP Document                                                             | 31 January 2020   |
| Budget Process                                    | Inputs for Operational Budget (Directors & OMT's)                                    | 17 January 2020   |
|                                                   | Compiling of Draft Budget for Discussion                                             | 21 February 2020  |

**WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW**  
**A: WSA ADMINISTRATION**

| <b>Table A.2.1: IDP Process Plan of the Municipality</b>                        |                                                                  |                                                             |
|---------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Task</b>                                                                     | <b>Activity</b>                                                  | <b>Date</b>                                                 |
|                                                                                 | Revision of Policies – Directors                                 | 29 November 2019                                            |
|                                                                                 | Approval of Organisational Structure for Budgetary Purpose by MM | 31 January 2020                                             |
|                                                                                 | Compile Draft Budget                                             | 28 February 2020                                            |
|                                                                                 | Meeting with Mayor and MM                                        | 4 March 2020                                                |
|                                                                                 | Workshop Draft Budget with Budget Steering Committee             | 11 March 2020                                               |
|                                                                                 | The Mayor tables the Budget, IDP and Budget Policies in Council  | 31 March 2020                                               |
|                                                                                 | Submit Electricity Tariffs to NERSA                              | 31 January 2020                                             |
|                                                                                 | Advertise the Budget, IDP and Budget Policies in News Paper      | 10 April 2020                                               |
|                                                                                 | Submit tabled budget to National and Provincial Treasury         | 3 April 2020                                                |
|                                                                                 | Ward based meetings on Budget and IDP                            | 30 April 2020                                               |
|                                                                                 | Submit inputs received with comments to CFO and MM               | 8 May 2020                                                  |
|                                                                                 | Submit inputs received with comments to Mayor                    | 8 May 2020                                                  |
|                                                                                 | Council consider approval of the Budget, IDP and Budget Policies | 29 May 2020                                                 |
|                                                                                 | Submit approved budget to National and Provincial Treasuries     | 10 June 2020                                                |
|                                                                                 | Advertise approved tariffs in media and Provincial Gazette       | 10 June 2020                                                |
| Invite Provincial HOD's (Input for Provincial Budget) presentation on IDP needs | SIME                                                             | September 2019                                              |
|                                                                                 | TIME                                                             | February 2020                                               |
|                                                                                 | IDP Managers Forum                                               | 5-6 September & 5-6 December 2019 5-6 March & 4-5 June 2020 |
| Performance Plans                                                               | Compile Annual Performance Plans                                 | 31 May 2020                                                 |
|                                                                                 | Sign Performance Plans                                           | 3 June 2020                                                 |
|                                                                                 | Disclosure of Performance Plans                                  | 10 June 2020                                                |
|                                                                                 | Submission of Plans to PGWC                                      | 17 June 2020                                                |
| SDBIP                                                                           | Obtain Input from Directors and OMT's                            | 31 May 2020                                                 |
|                                                                                 | Compile SDBIP                                                    | 3-5 June 2020                                               |
|                                                                                 | Submit to SMT                                                    | 10 June 2020                                                |
|                                                                                 | Submit to EMT                                                    | 17 June 2020                                                |
|                                                                                 | SDBIP approve by Mayor                                           | 1 July 2020                                                 |
|                                                                                 | Submit PGWC                                                      | 8 July 2020                                                 |

## Community Participation

The Council has twelve (12) Ward Committees, which are appointed for a period of five (5) years. Each Ward Committee has approximately ten members. Ward Committees as a governance structure promotes public accountability and strengthens community participation. The Ward Committee System is fully institutionalised and capacitated within the Langeberg Municipality. The purpose of a ward committee is:

- To get better participation from the community to inform council decisions;
- To make sure that there is more effective communication between the Council and the community; and
- To assist the ward councilor with consultation and report-backs to the community.

The Municipality work together with Ward Committees in its public participation processes and reach the community by disseminating information to them, by engaging with them in consultation and by allowing community inputs in municipal decision-making regarding service delivery, developing credible IDPs, policy formulation, budgeting processes and organisational performance. For this purpose the Ward Committees of Langeberg Municipality held various meetings with the community e.g. IDP Community Input Meetings, Ward Based Planning Sessions and ordinary Community Feedback Meetings. In addition to this a number of Community Outreach Programmes were also rolled out in the different wards.

## WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW

### A: WSA ADMINISTRATION

The Langeberg Municipality has adopted a Public Participation Policy which enables and encourages citizens to be actively involved in municipal affairs through various means. The Ward Committee System remains the main vehicle for Langeberg Municipality's public participation processes. To reach the community, it disseminates information to them and actively engages with them in consultation - allowing community inputs in municipal decision-making regarding service delivery, developing credible IDPs, policy formulation, budgeting processes and organisational performance at ward level.

The Ward Committee System, however, remains challenged and mostly relies on those residents who make that special effort to be involved. Many residents simply do not attend scheduled meetings. The Public Participation Unit therefore made a special effort to consider and include all complaints and inputs received by the municipality, in compiling this IDP. The drivers creating these new channels of participation include Facebook, the bulk SMS system, written submissions (including those made via the website) and a questionnaire disseminated by Ward Committee members. The bulk SMS System proves to be quite popular amongst residents. It provides a valuable input channel for meeting-shy residents who want to voice their concerns and development needs. Other challenges include:

- The postponement of meetings, which seriously challenge implementation of the IDP Process Plan.
- Community hostility and political intolerance in meetings, which hampers reaching consensus on needs.
- Poor input and feedback from wards, which may lead to the identification and prioritising of skewed development needs.

**Table A.2.2: Consultation Process**

| Consultation                | Process and Communication | Date                                     | Comments                  |
|-----------------------------|---------------------------|------------------------------------------|---------------------------|
| Users                       | IDP Process               | See Process Plan included in Table A.2.1 | No comments were received |
| Public                      | IDP Process               |                                          |                           |
| Water Services Institutions | IDP Process               |                                          |                           |
| Neighbouring WSAs           | Copy of draft WSDP        | July 2020                                | No comments were received |
| Provinces (DLG)             | Copy of draft WSDP        | July 2020                                | No comments were received |
| DWS                         | Copy of draft WSDP        | July 2020                                | No comments were received |

**Table A.2.3: Sector Integration**

| Sector / Plans            | Interaction (Yes / No / Partial) | Area                                                            |
|---------------------------|----------------------------------|-----------------------------------------------------------------|
| Agriculture               | Partial                          | Settlement Demographics and Public Amenities                    |
| Mining                    | N/A                              | N/A                                                             |
| Tourism                   | Partial                          | Settlement Demographics and Public Amenities                    |
| Finance                   | Yes                              | Finance                                                         |
| IDP                       | Yes                              | Administration                                                  |
| PMU                       | Yes                              | Water Services Asset Management                                 |
| LMs                       | Yes                              | Administration                                                  |
| Water Master Plan         | Yes                              | Water Services Asset Management                                 |
| Sewer Master Plan         | Yes                              | Water Services Asset Management                                 |
| WDM Strategy              | Yes                              | Conservation and Demand Management                              |
| Maintenance Backlog Study | Yes                              | Water Services O&M                                              |
| SDF                       | Yes                              | Settlement Demographics and Public Amenities                    |
| ISP                       | Yes                              | Administration                                                  |
| Health                    | Partial                          | Service Levels                                                  |
| LED                       | Partial                          | Settlement Demographics and Public Amenities                    |
| DMP                       | Partial                          | Water Services Asset Management                                 |
| Institutional             | Yes                              | Water Services Institutional Arrangements and Customer Services |



## WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW

### A: WSA ADMINISTRATION

#### Comments

The 2017-2022 WSDP will be distributed to the public as part of the IDP public participation process. The draft WSDP documents were also distributed to all the neighbouring WSAs, the DWS's Regional Office and the DLG for their comments. The due date for the submission of comments on the draft documents was the 31<sup>st</sup> of August 2020. The table below gives an overview of the comments received on the draft WSDP documents.

| Table A.2.4: Comments received on draft WSDP |                              |                              |                              |                           |
|----------------------------------------------|------------------------------|------------------------------|------------------------------|---------------------------|
| Date                                         | Components                   | Interest Group               | Consideration                | Comments                  |
| 25 July 2020                                 | All                          | DWS                          | All draft documents          | No comments were received |
| 28 July 2020                                 | All                          | DLG                          | All draft documents          | No comments were received |
| 28 July 2020                                 | WSDP IDP Sector Input Report | Breede Valley Municipality   | WSDP IDP Sector Input Report | No comments were received |
|                                              |                              | Theewaterskloof Municipality | WSDP IDP Sector Input Report | No comments were received |
|                                              |                              | Swellendam Municipality      | WSDP IDP Sector Input Report | No comments were received |
|                                              |                              | Kannaland Municipality       | WSDP IDP Sector Input Report | No comments were received |
|                                              |                              | Laingsburg Municipality      | WSDP IDP Sector Input Report | No comments were received |

#### IDP Goals and Integration

To comply with the Water Services Act, the WSDP should be prepared as part of the IDP process unless there is no IDP process in which case it can be prepared separately. The WSDP is a sectoral plan that falls within the inter-sectoral umbrella plan of the IDP. The WSDP sectoral planning and integrated development planning, must inform each other. It is therefore important to start the WSDP planning process by orientating the water services development goals against the overall development goals of the IDP. This in essence becomes the overall framework within which detailed water services needs and development projects can be benchmarked and tested.

The Vision and Mission statements of Langeberg Municipality, as included in the 2019/2020 IDP, are as follows:

| VISION STATEMENT                                                                              |
|-----------------------------------------------------------------------------------------------|
| "To progress and grow from being one of the best municipalities, to be the best municipality" |

| MISSION STATEMENT                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "By providing cost effective quality services to the Citizens, exercising good leadership, ensuring accountable governance and maintaining sound financial management" |

Langeberg Municipalities Strategic Objectives are summarised in the table below (2019/2020 IDP).

| Table A.2.5: Strategic Objectives |  |
|-----------------------------------|--|
|-----------------------------------|--|



## WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW

### A: WSA ADMINISTRATION

| Table A.2.5: Strategic Objectives                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strategic Objectives                                                                                              | Predetermined Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>SO3 Local Economic Development:</b> Promote an enabling environment for economic growth and decent employment. | <ul style="list-style-type: none"> <li>To promote economic development in the municipal area.</li> <li>To facilitate and develop an entrepreneurial culture and skills development in the municipal area.</li> <li>To support the growth and development of the tourism sector.</li> <li>To work with private sector partners to promote economic growth and encourage business investment in the municipal area.</li> </ul>                                                                                                                                                                               |
| <b>SO4 “A responsive and accountable administration”</b>                                                          | <ul style="list-style-type: none"> <li>To create and maintain a functional organization that enables optimal performance by developing and retaining a skilled representative workforce.</li> <li>To manage the municipality to deliver services in terms of the legislative requirements.</li> <li>To align and review the performance of the municipality in achieving the strategic objectives of council.</li> <li>To strive towards a clean, corrupt free and well-managed administration.</li> <li>To contribute towards inter-governmental relationships with all spheres of government.</li> </ul> |
| <b>SO5 Sound Financial Management:</b> Adherence to all laws and regulations applicable to LG                     | <ul style="list-style-type: none"> <li>To procure goods and services timeously to all end user.</li> <li>To broaden and improve the revenue base of the municipality.</li> <li>To provide free basic services to qualifying indigent households in municipal area.</li> </ul>                                                                                                                                                                                                                                                                                                                              |
| <b>SO6 Enhanced stakeholder engagements</b> to promote civic education.                                           | <ul style="list-style-type: none"> <li>To establish partnerships with role-players in the social development sector to improve cooperation, integration and utilisation of resources.</li> <li>To promote social cohesion within the municipal service area.</li> <li>To facilitate and strengthen public participation towards deepen democracy.</li> </ul>                                                                                                                                                                                                                                               |

The Water Sector’s Vision, Goal and Objectives for the NWRS 2, as aligned with the vision of South Africa 2030, are as follows:

- Vision: Sustainable, equitable and secure water for a better life and environment for all.
- Goal: Water is efficiently and effectively managed for equitable and sustainable growth and development.
- Objectives:
  - Water supports development and the elimination of poverty and inequality;
  - Water contributes to the economy and job creation; and
  - Water is protected, used, developed, conserved, managed and controlled in an equitable and sustainable manner.

### Catchment Management Agency Catchment Management Strategy Integration

The Breede-Gouritz Catchment Management Agency (BGCMA) was established in 2014 (Government Notice 412, 23 May 2014) by extending the boundary and area of operation of the Breede-Overberg Catchment Management Agency (BOCMA) in terms of Section 80 of the National Water Act, 1998 (Act No.36 of 1998)

The Catchment Management Strategy for the Breede-Gouritz Water Management Area (BGWMA), July 2017, include the following Vision and three Strategic Focus Areas.

#### “Healthy water resources, for all, forever,”

- **Strategic Area 1: Protecting for People and Nature:** Focussing primarily on management of streamflow, water quality, habitat and riparian zones related to riverine, wetland, estuarine and groundwater resources, to maintain important ecosystem goods and services and biodiversity.
- **Strategic Area 2: Sharing for Equity and Development:** Focussing primarily on management of water use from surface and groundwater resources through the operation of infrastructure, in order to provide water for productive and social purposes within and outside of the WMA.
- **Strategic Area 3: Co-operating for Compliance and Resilience:** Focussing primarily on co-operation and management of institutional aspects to enable and facilitate the protection and sharing of water, including the more co-operative stakeholders, partnerships, information sharing, disaster risk and adaptation elements of the strategy.

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**A: WSA ADMINISTRATION**

The Strategic Measures and Actions for the three Strategic Focus Areas are summarised in the table below.

| <b>Table A.2.6: Strategic Measures and Actions for the three Strategic Focus Areas</b> |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Strategic Measure</b>                                                               | <b>Action</b>                                                                                                                                                 | <b>Notes for Langeberg Municipality</b>                                                                                                                                                                                                                                                                   |
| <b>Protecting for People and Nature</b>                                                |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                           |
| Resource Class and Resource Quality Objectives                                         | Conduct Water Resources Classification for the WMA.                                                                                                           | Obtain water resource classification management classes for resources in Langeberg.                                                                                                                                                                                                                       |
|                                                                                        | Determine Resource Quality Objectives for the WMA.                                                                                                            | Obtain Resource Quality Objectives for Langeberg area.                                                                                                                                                                                                                                                    |
| Reserve Implementation                                                                 | Assess gaps and undertake comprehensive Reserve determination studies for the WMA.                                                                            | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Implement water quality, quantity and ecosystems monitoring                                                                                                   | -                                                                                                                                                                                                                                                                                                         |
| Water quality management and pollution control                                         | Develop an integrated Water Quality Management Plan                                                                                                           | Assessment of WWTW compliance against water use authorizations.<br>Ensure that all municipalities have a water use authorization for all WWTW.<br>Support municipalities to achieve Green Drop Status by understanding where the specific municipalities have failed.                                     |
| Groundwater protection                                                                 | Establishment of a groundwater unit                                                                                                                           | Will allow for the efficient use, management and protection of the resource and ensure sustainability.                                                                                                                                                                                                    |
|                                                                                        | Implementing monitoring programmes and networks.                                                                                                              | Private water users, including water supply authorities (i.e. local municipalities) lack the expertise to design, implement and maintain groundwater monitoring programmes nevertheless performing evaluations of the datasets. The BGCMA needs to develop the capabilities to support groundwater users. |
|                                                                                        | Investigate and implement solutions to Iron Reducing Bacteria                                                                                                 | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Understanding potential impacts from unconventional gas production.                                                                                           | -                                                                                                                                                                                                                                                                                                         |
| Protection of Water Resources through other relevant projects                          | Co-operation for IWRM with other role-players.                                                                                                                | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Develop and implement Estuary Management Plans                                                                                                                | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Develop and implement plans for priority wetlands.                                                                                                            | Confirm with BGCMA if any priority wetlands are located within Langeberg.                                                                                                                                                                                                                                 |
|                                                                                        | Develop and implement plans for riparian habitat protection for priority rivers.                                                                              | Confirm with BGCMA if any specific rivers / river reaches located within Langeberg require rehabilitation.                                                                                                                                                                                                |
|                                                                                        | Develop and implement plans for alien vegetation clearing.                                                                                                    | Work with BGCMA for any alien vegetation clearing projects.                                                                                                                                                                                                                                               |
|                                                                                        | Prioritise and maintain endemic fish refuges                                                                                                                  | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Develop and implement plans for instream habitats conservation.                                                                                               | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Develop a conservation strategy for groundwater protection.                                                                                                   | The CMA will map groundwater areas and highlighting those areas where conservation measures are critical.                                                                                                                                                                                                 |
| Land use Management                                                                    | Develop and implement a system to consider impacts from existing and future land-use activities on water resources that will inform water use authorisations. | -                                                                                                                                                                                                                                                                                                         |
| <b>Sharing for Equity and Development</b>                                              |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                           |
| Water Resource Assessment                                                              | Undertake validation and verification of registered water use.                                                                                                | Confirm the registered water use for the towns in Langeberg.                                                                                                                                                                                                                                              |
|                                                                                        | Prioritise surface and groundwater areas for additional water availability studies and where compulsory licensing may be required.                            | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Update water availability studies                                                                                                                             | -                                                                                                                                                                                                                                                                                                         |
| Water supply availability augmentation                                                 | Manage / operate selected schemes for reduced assurance of supply.                                                                                            | -                                                                                                                                                                                                                                                                                                         |
|                                                                                        | Investigate conventional augmentation options considering innovation.                                                                                         | Sub-systems where the exploitation of groundwater plays an important role as a future intervention option require a more detailed groundwater investigation well before the implementation of the given option. It is therefore important                                                                 |

**WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW**  
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| Table A.2.6: Strategic Measures and Actions for the three Strategic Focus Areas |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strategic Measure                                                               | Action                                                                                                                                                                          | Notes for Langeberg Municipality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                 |                                                                                                                                                                                 | to commission groundwater focused feasibility studies on selected areas as indicated in the Reconciliation Sub Strategy. This is required to provide or confirm the correct development potential of the identified groundwater resources, and to determine the best locations for the related groundwater abstractions, forming part of the envisaged groundwater scheme.                                                                                                                                                                                                                                                                                                                                                                                           |
| WC/WDM                                                                          | Include WC/WDM conditions for all WULs                                                                                                                                          | Include conditions for WC/WDM to all existing water use authorisations.<br>Include conditions for WC/WDM to all new applications.<br>Consider WC/WDM aspects in any proposed new general authorisations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                 | Investigate and implement measures for scheme/system upgrades of conveyance structures and operation.                                                                           | Assess all schemes to ensure that WC/WDM is incorporated into the operation.<br>Monitor the implementation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                 | Implement and support priority alien vegetation clearing projects and river maintenance plans.                                                                                  | Highly stressed and infested areas will be prioritized by the BGCMA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                 | Implement stringent WC/WDM plans for urban areas (using WSDP / IDPs)                                                                                                            | BGCMA will ensure and monitor the implementation of WC/WDM by WSAs.<br>BGCMA will support local government in efforts to promote the efficient use of water to consumers / Develop measures to interact with and understand social water requirements and needs.<br>Ensure all new developments implement WC/WDM practices.<br>Develop and implement training programme for all key personnel in collaboration with DWS, CMA and WSA/WSP.<br>Facilitate a regional forum that meets regularly.<br>Develop incentives for WSA based on WC/WDM target achievement.<br>Develop a tariff system in collaboration with DWS and Local Government that promotes efficiency and integrates the principles of both departmental tariff system and the tariff policies of WSA. |
|                                                                                 | Implement stringent WC/WDM plans for the agricultural sector.                                                                                                                   | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Water allocation reform                                                         | Reserve 15% of MAR for potential emerging farmers in the Breede catchments and consider a feasible % MAR and groundwater allocation to be set aside for the Gouritz catchments. | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                 | Identify, develop and support HDI opportunities.                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                 | Authorise water use applications made for HDI projects                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Water use allocation                                                            | Revise the allocations once V&V study is complete.                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Water use authorisation                                                         | Assess and register water use applications.                                                                                                                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                 | Process water use licence applications.                                                                                                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                 | Propose General Authorisations for particular uses and catchments.                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Climate change resilience                                                       | Build institutional capacity around climate change                                                                                                                              | BGCMA will build institutional capacity to support climate change initiatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                 | Adapt strategies to reflect climate change aspects as new data is received.                                                                                                     | BGCMA will collaborate with all organisations and government institutions (national, provincial and local) to inform policy and regulation on climate change.<br>Support organisations in the protection of natural resources.<br>Support and promote infrastructure development that will include climate change resilience features to cater for flood and drought relief.                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                 | Create awareness amongst communities around climate change.                                                                                                                     | Create awareness within communities around climate change.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW**  
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| Table A.2.6: Strategic Measures and Actions for the three Strategic Focus Areas |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strategic Measure                                                               | Action                                                                                                                                                    | Notes for Langeberg Municipality                                                                                                                                                                                                                                                                                                                                                                                                |
| Drought resilience                                                              | Build institutional capacity around how and when to act during drought events.                                                                            | Collaborate with provincial and local government, and other relevant institutions and organisations to build institutional capacity.                                                                                                                                                                                                                                                                                            |
|                                                                                 | Create awareness amongst communities around drought resilience.                                                                                           | Collaborate with provincial and local government, and other relevant institutions and organisations to create awareness in communities in relation to aspects such as water saving measures, types of crops to plant and best ways to irrigate.                                                                                                                                                                                 |
|                                                                                 | Develop strategies for implementation during drought events.                                                                                              | Work with Provincial and Local Governments to develop strategies to plan for drought conditions and implementation when needed (Shortage Response Framework, partnerships, managing demand, shortage reduction guidelines, increased tariffs, fines and penalties and risk communication).                                                                                                                                      |
| Co-operating for Compliance and Resilience                                      |                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Institutional arrangements and strategic partnerships                           | Develop strategic partnerships with other relevant institutions and government departments.                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Foster co-operation with other relevant institutions and government departments, specifically in supporting emerging and resource poor farmers.           | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Establish, or extend existing, local water management institutions to operate at a restricted localized level to ensure wall to wall coverage of the WMA. | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Collaborate with the Private Sector.                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Develop and maintain networks with other CMAs in South Africa, basin institutions and globally.                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Stakeholder engagement and communication                                        | Develop decentralized platforms for on-going engagement.                                                                                                  | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Develop a communication method that is regular, open and accessible that will allow for meaningful, functional participation.                             | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Monitor and report on communication.                                                                                                                      | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Water use compliance and enforcement                                            | Undertake compliance monitoring of all water use and dam safety authorisations.                                                                           | Undertake compliance monitoring of all water use authorisations in accordance with licence conditions. Evaluate dam safety licence applications, including, investigating, confirming or verifying entitlement to use water before issuing a dam safety licence; and Undertake dam safety compliance monitoring inspections in Category I, II and III dams. Develop and maintain authorisation agreements to ensure compliance. |
|                                                                                 | Compile and enforce directives.                                                                                                                           | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Maintain a database of registered water users.                                                                                                            | A database of all registered water users must be maintained. A database of dams with a safety risk must be maintained.                                                                                                                                                                                                                                                                                                          |
|                                                                                 | Implement a system to track water use authorisations (information management system)                                                                      | Water use authorisations; Compliance status against authorization conditions; Status of licence applications and Review periods for licences.                                                                                                                                                                                                                                                                                   |
| Financial and Economic instruments                                              | Effective revenue generation.                                                                                                                             | The following water user activities should be comprehensively identified, registered, documented, monitored and assessed: Abstraction, flow-reduction activities and waste discharge.                                                                                                                                                                                                                                           |
|                                                                                 | Promote effective expenditure.                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Effective leveraging of external resources for holistic catchment management.                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Monitoring water resource protection                                            | Implement a programme to monitor Resource Quality Objectives.                                                                                             | -                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Implement a programme to monitor against the Ecological Water Requirements (Reserve).                                                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| Table A.2.6: Strategic Measures and Actions for the three Strategic Focus Areas |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Strategic Measure                                                               | Action                                                                                                                                                                                                            | Notes for Langeberg Municipality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                 | Use all data collected to inform and update the Reconciliation Strategy.                                                                                                                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Implement a programme to receive monitoring data from other projects such as the River Health Programmes and Estuary Management Programmes.                                                                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Monitor water use regulation                                                    | Implement a schedule to manage the issuing and expiry of water use authorisations.                                                                                                                                | Develop a programme to maintain a record of all authorisations including: Type of authorization, issue date and expiry date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                 | Implement a programme to assess compliance against water use authorisations.                                                                                                                                      | Develop a programme to assess and report on compliance against water use authorisations including: Schedule of inspections, Compliance against conditions and Actions taken if non-compliant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                 | Investigate the development of a central hub where the BGCMA can receive data captured by other water users, stakeholders can voice their concerns and have links to other relevant water resource related sites. | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Monitoring for WC and DM and re-use of water                                    | Monitor trends in WC/WDM in local municipalities.                                                                                                                                                                 | Develop a programme in collaboration with local government to assess water use efficiency in local municipalities: Monitor WC/WDM progress in local municipalities and associated industrial water users. Monitor whether the No-Drop system is being implemented.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                 | Monitor implementation of BMP for WC/WDM in the agricultural sector.                                                                                                                                              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Develop and implement a system to receive WC/WDM data captured by other water users.                                                                                                                              | Develop and implement a system that will allow other water users or organisations to upload a link to or relevant data regarding WC/WDM progress and activities that will enable BGCMA officials to be kept updated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                 | Monitor alien invasive vegetation projects.                                                                                                                                                                       | Monitor and record progress made with alien vegetation removal including location of activity, hectares removed and trends in respect of water quantity in impacted water resource.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                 | Monitor river rehabilitation projects.                                                                                                                                                                            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Effective management of information                                             | Identify and develop information management needs.                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Ensure communication of information to and from stakeholders.                                                                                                                                                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Adaptation and Disaster Management                                              | Identify and develop information management needs.                                                                                                                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                 | Co-operate with other provincial and local disaster management institutions.                                                                                                                                      | Co-operation between relevant national, provincial and local government departments is essential to ensure that awareness creation take place with one message being passed to all relevant communities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                 | Asses water disaster risk and develop a WMA flood and drought strategy in collaboration with other relevant departments.                                                                                          | In collaboration with relevant national, provincial and local government departments, the BGCMA needs to undertake a disaster risk assessment that must include floods, dam safety, droughts, and pollution events, and provide special attention to vulnerable communities, as well as key environmental sites.<br><br>Following the assessment, a disaster risk reduction strategy is to be developed in collaboration with provincial and local government departments that will include land use practices, mitigation of drought, infrastructure operations and dam safety, as well as pollution incident emergency response. Develop an awareness campaign programme around the elements of the strategy. |

**WSDP: ADMINISTRATION, INFORMATION AND COMPREHENSIVE OVERVIEW**  
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**A.3 SERVICE PROVIDER**

| Table A.3.1: Service Provider                                   |                    |                     |                                 |          |                            |
|-----------------------------------------------------------------|--------------------|---------------------|---------------------------------|----------|----------------------------|
| Company                                                         |                    |                     | iX Engineers (Pty) Ltd          |          |                            |
| Name of PSP WSDP Project Manager                                |                    |                     | Jaco Human                      |          |                            |
| Tel: 021 – 912 3000                                             | Cell: 084 431 8728 | Fax: 021 – 912 3222 | Email: jaco.h@ixengineers.co.za |          |                            |
| INPUTS                                                          |                    |                     |                                 |          |                            |
| Components                                                      | Chapter            | Name                | Designation                     | Role     | Contact address and Number |
| Comprehensive Overview                                          |                    |                     |                                 |          |                            |
| Settlement Demographics & Public Amenities                      | 1                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Service Levels Profile                                          | 2                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Services Asset Management                                 | 3                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Services O&M                                              | 4                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Conservation and Demand Management                              | 5                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Resources                                                 | 6                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Finance                                                         | 7                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Services Institutional Arrangements and Customer Services | 8                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Master Plan                                                     |                    |                     |                                 |          |                            |
| Settlement Demographics & Public Amenities                      | 1                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Service Levels Profile                                          | 2                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Services Asset Management                                 | 3                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Services O&M                                              | 4                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Conservation and Demand Management                              | 5                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Resources                                                 | 6                  | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Existing Needs Perspective                                      |                    | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Water Master Plan Perspective                                   |                    | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Overall Topic Strategies                                        |                    | Jaco Human          | Engineer                        | WSDP PSP | See Above                  |
| Name of PSP WSDP Information Systems Operator                   |                    |                     | Jaco Human                      |          |                            |
| Tel: 021 – 912 3000                                             | Cell: 084 431 8728 | Fax: 021 – 912 3222 | Email: jaco.h@ixengineers.co.za |          |                            |