

Commission 5: Water and Sanitation Infrastructure

Chairperson – Rob Childs

Facilitator – Siphosiso Mosai

Rapporteur – Motebele Moshodi

Guest Speaker – Minister Mmamoloko Kubayi

Panel of experts:

Mr Khulekani Nxumalo – Sydwalt (Pty) Ltd

Mr Logan Reddy – Analog

Dr Pilate Moyo – UCT

Mr Mthobeli Kolisa – Municipal Infrastructure SALGA

Dr Limakatso Moorosi – Bloem Water

Ms Mpho Mookapelo – CEO of Energy SETA

THEMES

- Focus on existing infrastructure
- Operating conditions
- Pursuit of best practice
- Determining strategies and **ACTIONS**

Sub-themes

- Condition assessments
- Operations and maintenance
- Vandalism and community asset management
- Green Drop, Blue drop and No-drop
- Capital projects
- Technology and innovation
- Skills development, sector skills audit
- Regulations
- Asset Management
- Optimising service potential
- Revenue enhancement, funding & alt technologies

Commission 5 – Infrastructure: Overview of challenges

Challenges facing the water and sanitation infrastructure value chain

- Perspectives of Water and Sanitation Infrastructure in the context of Human Settlements, now and in the future – need for ***better planning and delivery alignment***
- **Ageing infrastructure** with increased service load
- Service provision **sustainability**
- Creating a conducive environment for *disruption* through regulations to ***facilitate private sector partnerships***
- Effective means to tackle relentless **theft and vandalism**
- Chasing a moving target around Informal Settlements – backlogs / growth cycle
- Municipalities to perform as Asset Management Organizations
- Enabling Community-Based Asset Management
- Appropriate leveraging of modern technology
- Competency development – individuals and organizations

Commission 5 - Infrastructure: Recommendations

Recommendations Commission 5

- Review and update the integrated national, Provincial and LG water infrastructure asset management framework (with standardised models for assessment of infrastructure condition, performance, life-cycle management and bankability – and risk management...) with capacitated planning and risk response capability
- Implement a national Monitoring and Evaluation system for infrastructure across all government spheres
- Establish structures for improved coordination of infrastructure planning and implementation (3 spheres); examine ways to reduce red tape
- Review grant funding structures and measures to ensure seamless and application is as intended
- Establish a communications plan around the establishment of the NWRA – to generate confidence in the follow through and the benefits
- Establish a national training and mentoring programme for the water sector – courses in consultation with universities and training providers, and professional registration in asset management – from school leavers through to experienced professionals
- Maximise creation of sustainable jobs and local businesses to support infrastructure-based service provision
- Establish regional resource centres to provide expert support and mentoring to drive the development of competency
- Strengthen framework to prevent settlement on national servitudes

Commission 5 – Infrastructure: Action Plan

Action Plan – Commission 5.....part 1

Ref	Item	Deadline	Resp
1	Review, refresh and energise the implementation of the national AM Framework for Water Infrastructure (structure, models, artefacts, responsibilities) – and link delivery pipelines to available and planned resources, capacity and competency (across spheres)	Mar 2023	DWS / CoGTA
2	Establish national capacity to implement the national AM Framework for Water Infrastructure – providing capacity to address key risk responses – incl theft, vandalism, asbestos, as well as ageing infrastructure	Dec 2023	DWS
3	Implement a national Monitoring and Evaluation system for water infrastructure <i>across all government spheres leveraging advances in digitisation and analysis technology</i>	March 2023	DWS / CoGTA
4	Establish structures for improved coordination of infrastructure planning and implementation (3 spheres); determine ways to reduce red tape and delivery alignment	March 2022	DWS
5	Conduct review of grant funding structures and measures and recommendations to achieve seamless scope and ensure targeted application – including a WCDM grant (business plans for unspent grants)	June 2022	DWS / CoGTA
6	Establish a communications plan around the establishment of the NWRA – to generate confidence in the follow through and the benefits	June 2022	DWS
7	Establish a national training and mentoring programme for the water sector – to build competency in multiple disciplines as well as integration competencies - courses in collaboration with universities, technikons as well as training providers	December 2022	DWS
8	Establish professional registration in asset management – from school leavers through to experienced professionals (in consultation with Prov and Natl govt)	June 2023	DWS
9	Establish strategic plan to maximise creation of sustainable jobs and local businesses to support infrastructure-based service provision – jobs & contractor / supplier development	September 2022	DWS
10	Establish regional resource centres to provide expert support and mentoring to underpin the development of institutional and individual competency (with participation of Water Boards, MISA, CSIR)	Now	DWS / CoGTA

Action Plan – Commission 5part 2

Ref	Item	Deadline	Resp
11	Establish effective implementation measures to keep servitudes clear – engage LG	Sept 2022	DWS / CoGTA
12	Enforce minimum maintenance budget and expenditure in LG for repairs and maintenance	Sept 2022	DWS / CoGTA
13	Establish a platform for private sector participation in bankable projects	Sept 2022	DWS
14	Establish a dedicated initiative to effectively address vandalism and theft	Sept 2022	DWS / CoGTA
15	Review the arrangements for enforcement of municipal budget guidelines on Operations & Maintenance	Sept 2022	DWS / CoGTA
16	Establish a targeted initiative to address the performance of Waste Water Facilities – especially those that pose a national risk	June 2022	DWS
17	Establish a Forum to drive implementation of the strategic initiatives , with forum with government stakeholders for feedback to stakeholders on the performance in implementing these actions and platform for stakeholder feedback	March 2022	DWS / CoGTA