

CITY OF TSHWANE

GAUTENG WASTE INDABA 2026



30 September 2026

Presentation Outline

- Strengths
Strengths and practices that work
- Challenges
Operational & Infrastructure Gaps & Challenges
- Opportunities/Innovation
Opportunities, Partnerships, Innovation
- Priority area of support
Action required

The Capital City

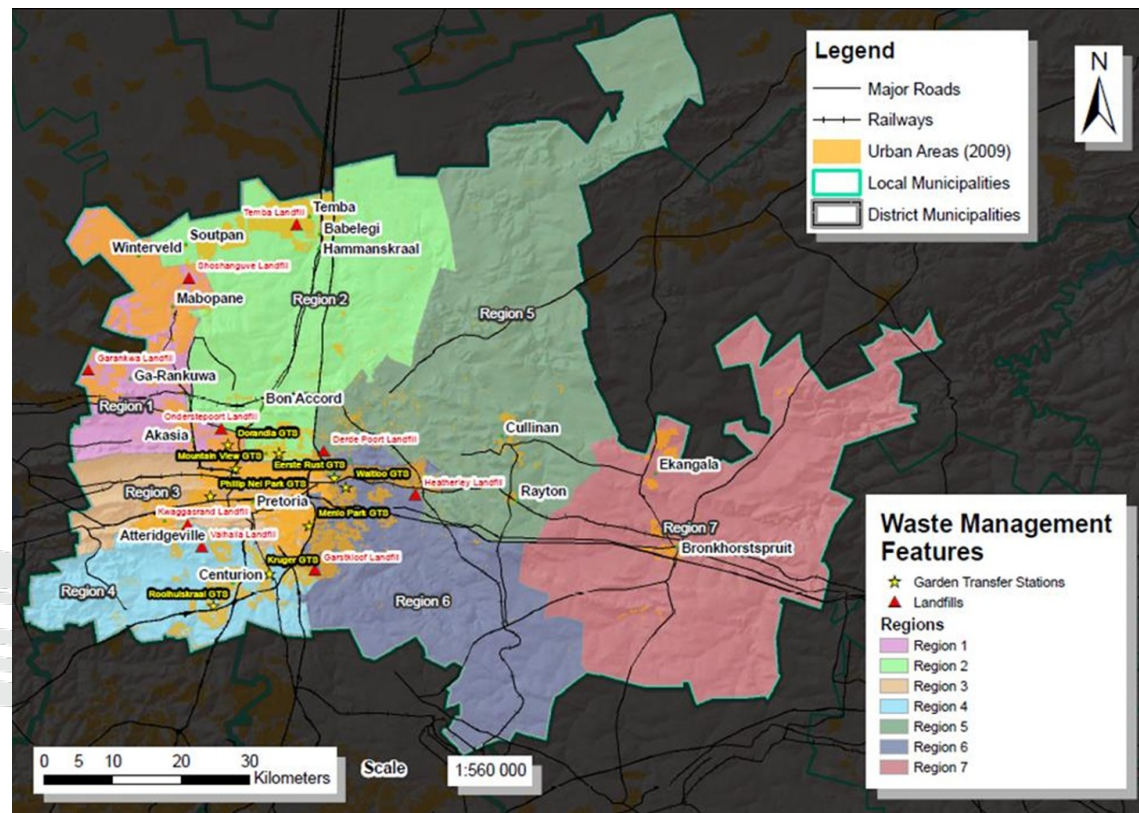
The center of government, the hub of diplomacy, business and institutions of higher learning

In a city that welcomes millions of people daily, it is a challenge to clean up after everyone



Introduction to City of Tshwane

- Covers **6 345** km²,
- The largest city in SA and the third-largest municipality in the world
- **33%** of Gauteng's land area
- Population size **4 091 752**
- **1 332 149** million Households
- **575** known informal settlements
- **2635** registered formal settlements



City Waste-Service Coverage Context

Distribution of registered formal and known informal settlements



2,635

FORMAL SETTLEMENTS

575

KNOWN INFORMAL SETTLEMENTS



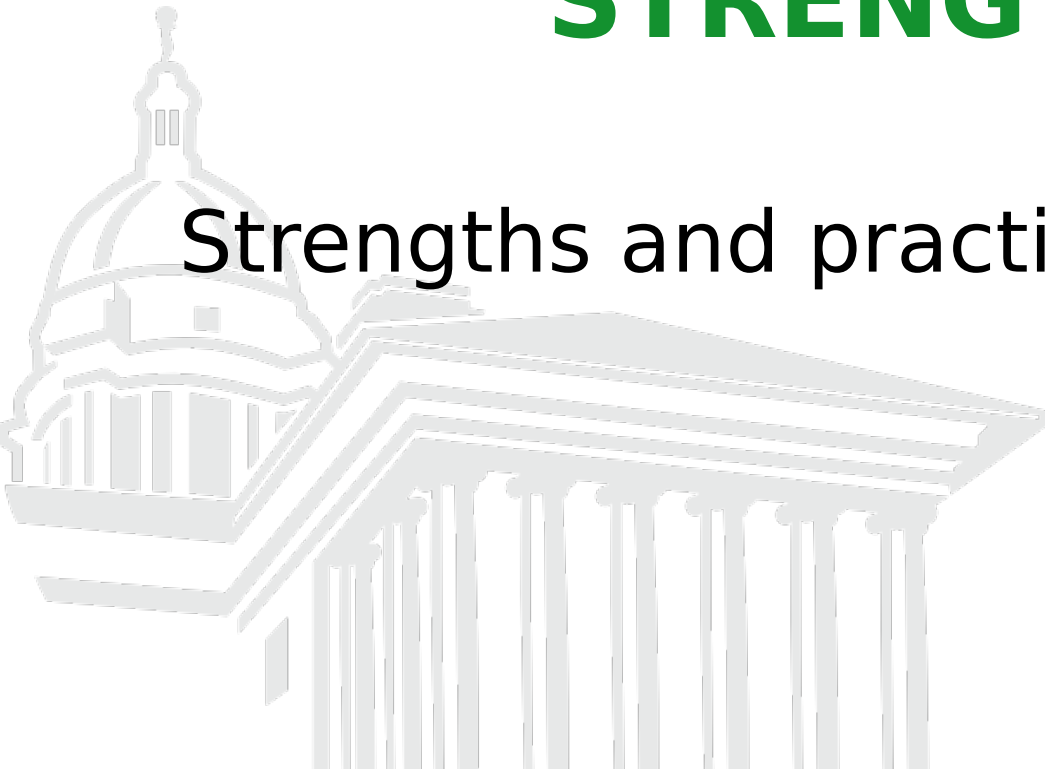
Formal: 82.1%

Informal: 17.9%

Planning implication: the City must maintain mainstream collection coverage in formal areas while adapting service models, access arrangements and community partnerships to conditions in informal settlements.

STRENGTHS

Strengths and practices that work



Waste Collection In the City



**Business
collection**



**Commercial
collection**



Street bins



**Household
collection**



Waste collection services

- The City billable waste service is billed @ volume based (R/vol).



LESS WASTE. **MORE VALUE.**



Bulk Waste Collection

Point source collection

Bulk collection and transportation of waste to disposal facilities



Skips for medium volume generators
(adhoc and regular services)



14–21m³ lifted by hook lifts and chain lifts
(regular service to major daily waste generators customers)



6m³



12m³



20m³

Public Areas Cleansing

Non- point source collection

Litter picking in walkways,
roadsides & open spaces

- Dependent on EPWP program to supplement



Waste collection

Non- point source collection

Street bins in
high
pedestrian
traffic areas



Waste Collection

Non-point source collection



**Street sweeping -
combination of manual
and mechanical sweeping**



➤ **Manual street sweeping**



➤ **Mechanical sweeping**



**Clearance of
illegal dumping**

- ✓ Improves cleanliness and health
- ✓ Prevents blockages and drainages issues
- ✓ Supports a cleaner, safer and healthier city



Illegal dumping site



After clearance



Collection vehicle

A cleaner City, a healthier tomorrow



WASTE MINIMISATION



Scaling separation-at-source programmes:



Operationalisation of **buy back centres**



S@S program at City facilities
(resorts and office building)



Separation at source at **gated complexes**
and **community areas**



Recycling at **school**



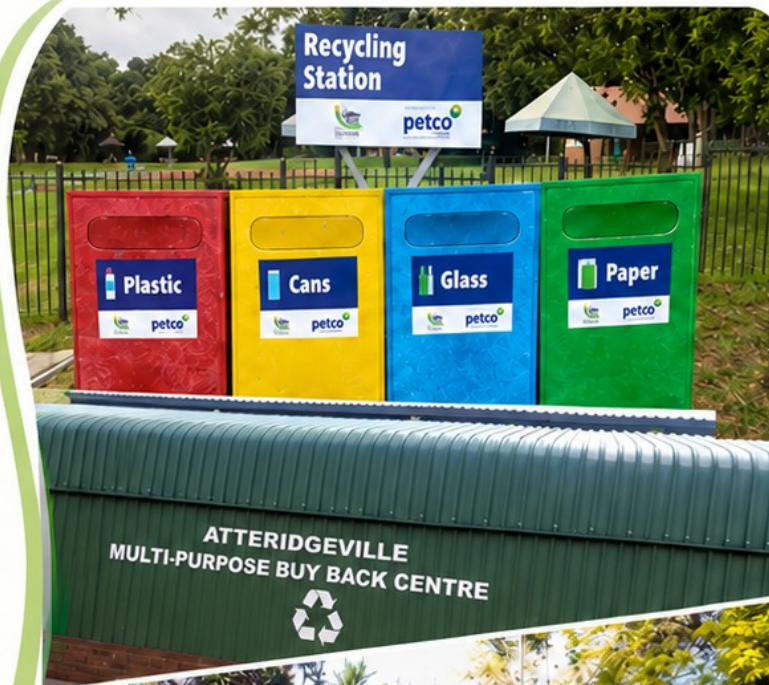
Partnered with **private sector** to diverted shredded
garden waste material from garden sites for further
processing such as composting



Partnerships with **private recycling companies**



Integration of **waste pickers** in waste management
value chain



LESS WASTE. MORE VALUE.
TOGETHER FOR A CLEANER TSHWANE.

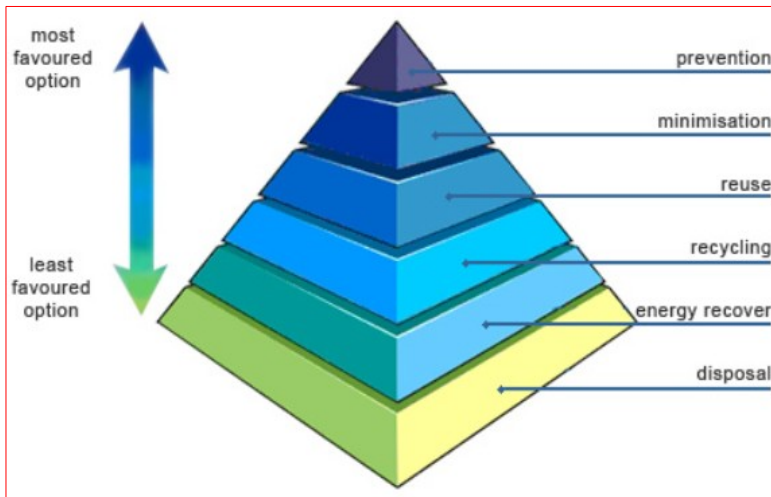


CHALLENGES

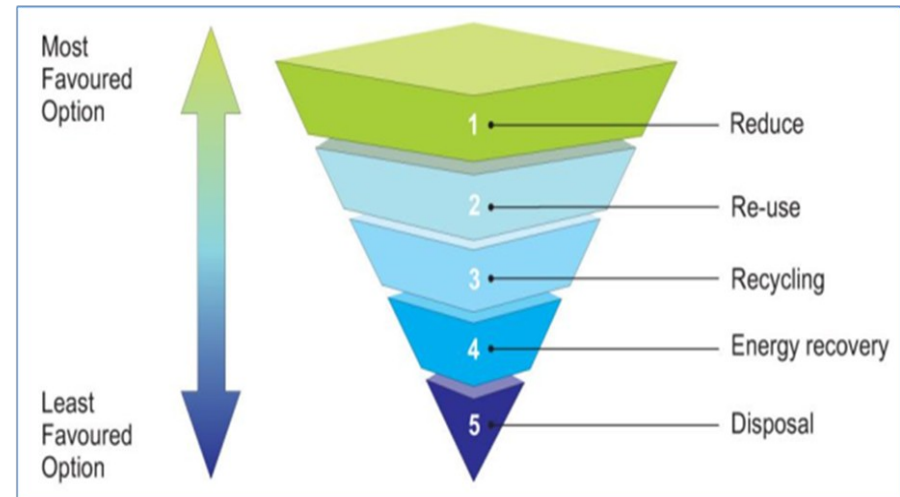
Operational & Infrastructure Gaps & Challenges

The Local Gov Waste Challenge

current state



desired state



Established practice and
systems of waste management
in SA

- Paradigm shift
 - Organisational arrangements
 - Underlying supporting infrastructure
 - Citizen behaviour
 - Resource allocation

CHALLENGES

- **Inadequate and Uneven spread of waste infrastructure** – landfills, buy-back centres and garden refuse sites over the City of Tshwane geographical area
- **Underfunding, Costs and logistical challenges** inherent to the extensive geographical area to be serviced
- **High levels of in-migration** into the City that exert pressure on service delivery
- A progressive **Reduction in landfill airspace**
- **Illegally dumped waste** – a consequence of a number of ills
- **A lack of important waste management data**
 - weighbridge data for generating income and landfill management
 - Waste generation, composition and recycling data – required in forward planning
- **Inadequate enforcement** of the current regulations

OPPORTUNITIES/ INNOVATION



Opportunities, Partnerships,
Innovation



A Sustainable Waste Management Strategy for Informal Settlements

SUSTAINABLE STRATEGY

for informal settlements



Community led initiatives: Informal Settlement Case Study



Community profiling and collection points routes with communities, inspectors and ward councillors.



Training (education and awareness) of the participants



Reduction of dump sites through rehabilitation: food gardens, parks, soccer fields and upcycling activities.



Composting in projects in informal settlement



Community profiling and
engagement



Training and composting
in projects



Rehabilitation of dump sites:
food gardens, parks, soccer fields
and upcycling activities



TOGETHER FOR
CLEANER, HEALTHIER COMMUNITIES



COMMUNITY
PARTICIPATION



WASTE
MINIMISATION



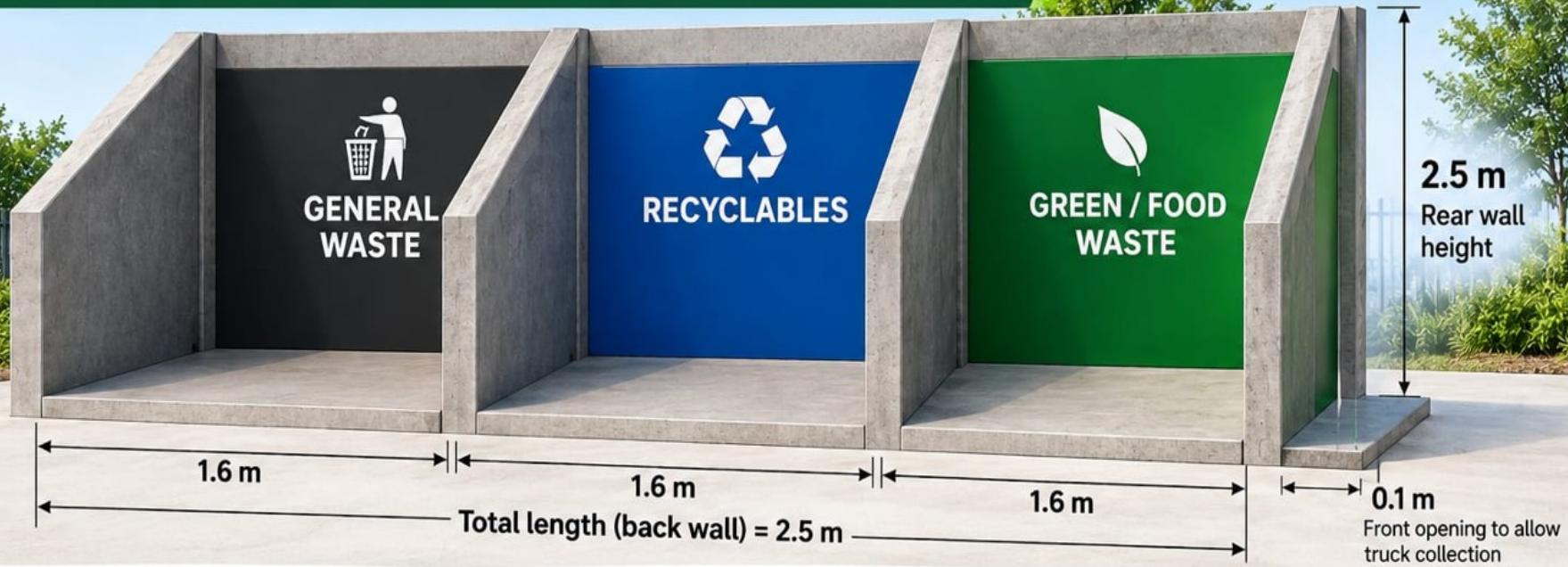
RESOURCE
RECOVERY



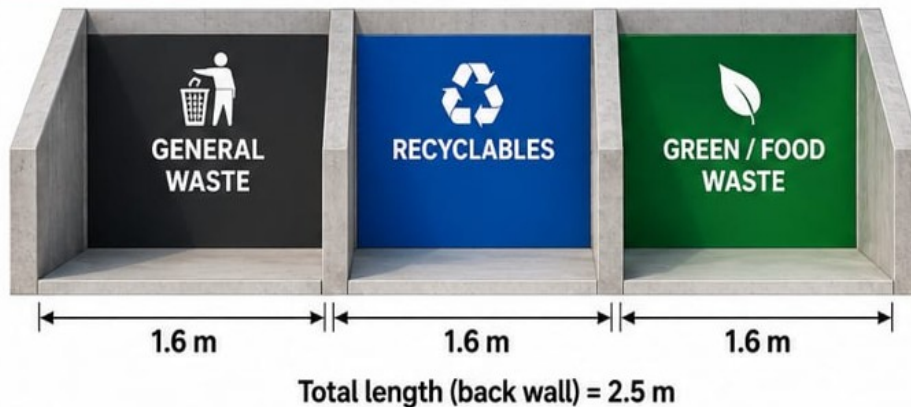
SUSTAINABLE
FUTURE

MULTI-PURPOSE WASTE COLLECTION POINT

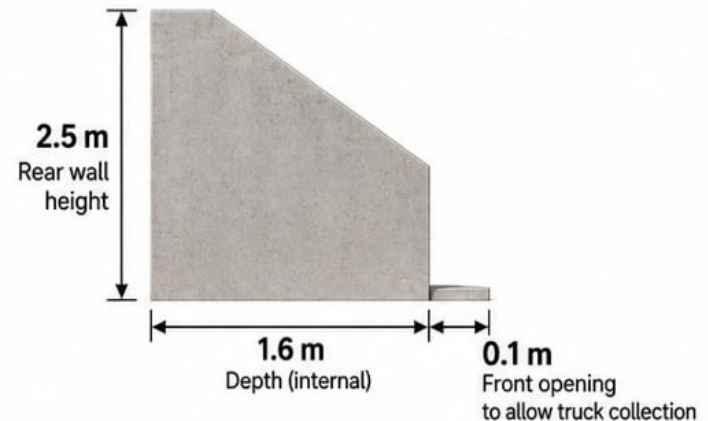
Separate Today for a Cleaner, Greener Tomorrow



FRONT VIEW



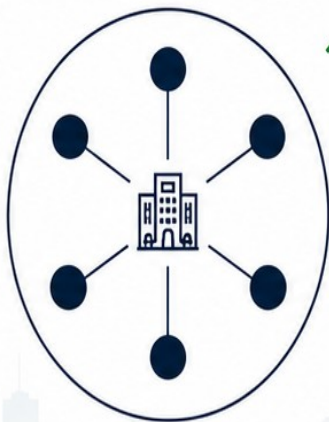
SIDE VIEW (TYPICAL)



CIRCULAR ECONOMY PLATFORM

Connecting partners. Creating value. Building a sustainable Tshwane.

The old way...



The new way...



Problem Statement

Green and circular initiatives are often fragmented, uncoordinated and disconnected. This limits collaboration, innovation and the ability to unlock the full value of resources for a sustainable economy.



Circular Solution

A central platform that brings together investors, suppliers, customers and industry stakeholders to connect, collaborate and co-create green and circular economy opportunities.

Why it matters



Promotes green innovation and resource efficiency



Strengthens partnerships and collaboration



Creates jobs and supports local business



Builds a resilient, low-carbon and inclusive economy



Protects our environment for future generations



TOGETHER,
let's build a greener,
stronger **Tshwane.**

WHAT IS CIRCULAR ECONOMY PLATFORM?

A digital platform driving a greener, smarter Tshwane.



WHAT IS CIRCULAR ECONOMY PLATFORM

- CEP is a city web page and mobile digital platform concept developed for CoT.
- It serves as a central point to promote circular economy within waste sector operating across the city.



PURPOSE

- Its purpose is to identify, register, connect and support industry stakeholders and businesses operating within the waste management and recycling sector.



Promoting a circular economy for a cleaner, greener Tshwane.



Empowering stakeholders and businesses.



Creating value from waste.



Building a sustainable future for all.



CIRCULAR ECONOMY AND INNOVATIVE RESOURCE RECOVERY

REDUCE | REUSE | RECYCLE | CREATE VALUE



Collaboration with Stakeholders



- 1 **Expression of interest with PRO**
Implementation of EPR framework



- 2 **Expression of interest to partner with industries**
For waste container exchange program to promote diversion



- 3 **Expression of interest to partner on organic and food waste diversion programme**



- 4 **Integration of waste pickers**
Registration of waste pickers in SAWPRS



- 5 **Engagement with institutions**
For waste innovation systems



- 6 **Development of alternative waste treatment technologies**
Waste to Energy and integrated waste treatment facilities



- 7 **Tshwane circular economy strategy**



CLEANER
ENVIRONMENT



HEALTHIER
COMMUNITIES



CIRCULAR
ECONOMY



SUSTAINABLE
TOMORROW

Areas of development & interventions

Adopt-A-Spot Programme

WHAT IS THE ADOPT-A-SPOT PROGRAMME?

The programme aims to –

- encourage the public, business entities and other organisations to take care of the environment by removing illegal dumping, cutting grass, removing alien vegetation and performing overall management and maintenance activities relating to parks and other public open spaces;
- overcome the challenges of ecological degradation, illegal land use, illegal dumping, criminal activities and the lack of safety in public open spaces; and
- facilitate partnerships with active citizenry in enhancing the aesthetics and ecological functionality of public open spaces in Tshwane.

For more information, please call 012 358 1245/8814/8869 or email adoptaspot@tshwane.gov.za

Priority Support

Action Required



Priority Support and Action Required



Hennops river water system – downstream impact of solid waste – joint efforts between CoJ, CoE & CoT to resolve ongoing pollution



Action Required: inter municipal cooperation – joint task force with its neighboring metro's to tackle pollution.



Need to disrupt the emerging organized criminal activities - illegal occupation of private land to establish illegal landfilling/dumping



Action required: requires by law enforcement intervention with relevant stakeholders.



EPWP support - responsive to the needs



Action required: collaboration to scale up the EPWP deployment in most affected by the waste crisis

Thank you!!

