

DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT

Presentation at Waste Summit and Waste Management Khoro

by

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GAUTENG PROVINCE
AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA

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Gauteng : Situational Analysis



Gauteng : Situational Analysis

Gauteng Population size	13.2 million (Stats SA 2015)
Area size, smallest of SA 9 provinces	18,178 km ²
% contribution to SA economy in 2015	35% (Gauteng State of the Province Address, (SOPA), 2016)
Contribution to national labour absorption	42% (SOPA, 2016)
In-migration average per annum	200 000 people (SOPA, 2016)
Number of unemployed	2.2 million (SOPA, 2016)
Contribution to SA municipal waste generation	45% (DEA, 2012)
Per capita waste generation	761 kg/capita/annum (DEA,2012)

Gauteng : Situational Analysis

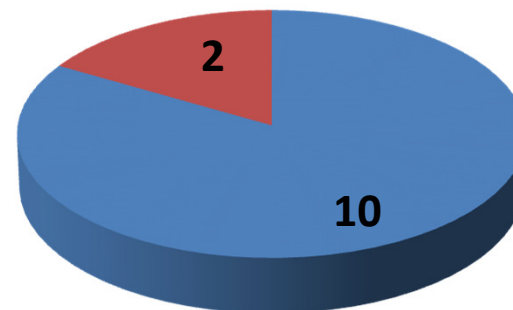
- Competing land uses for residential, commercial, industrial, and agricultural land
- Two metros – Johannesburg and Tshwane landfill air space will be exhausted in less than 10 years
- The province has been implementing a programme of economic , social and spatial transformation, modernisation and re-industrialisation since June 2014
- Some of the economic interventions identified for the province include :
 - Growing the SMME sector as a key driver of growth and revitalise and mainstream the township economy
 - Bringing previously disadvantaged people into the economic mainstream and to raise the living standards of all people

Waste Management Planning & Service delivery

12 Municipalities:

- 3 Metropolitan
 - 2 District
 - 7 Local
-
- 89.1 % households with once per week waste removal (Stats SA , 2014 GHS)

IWMPs



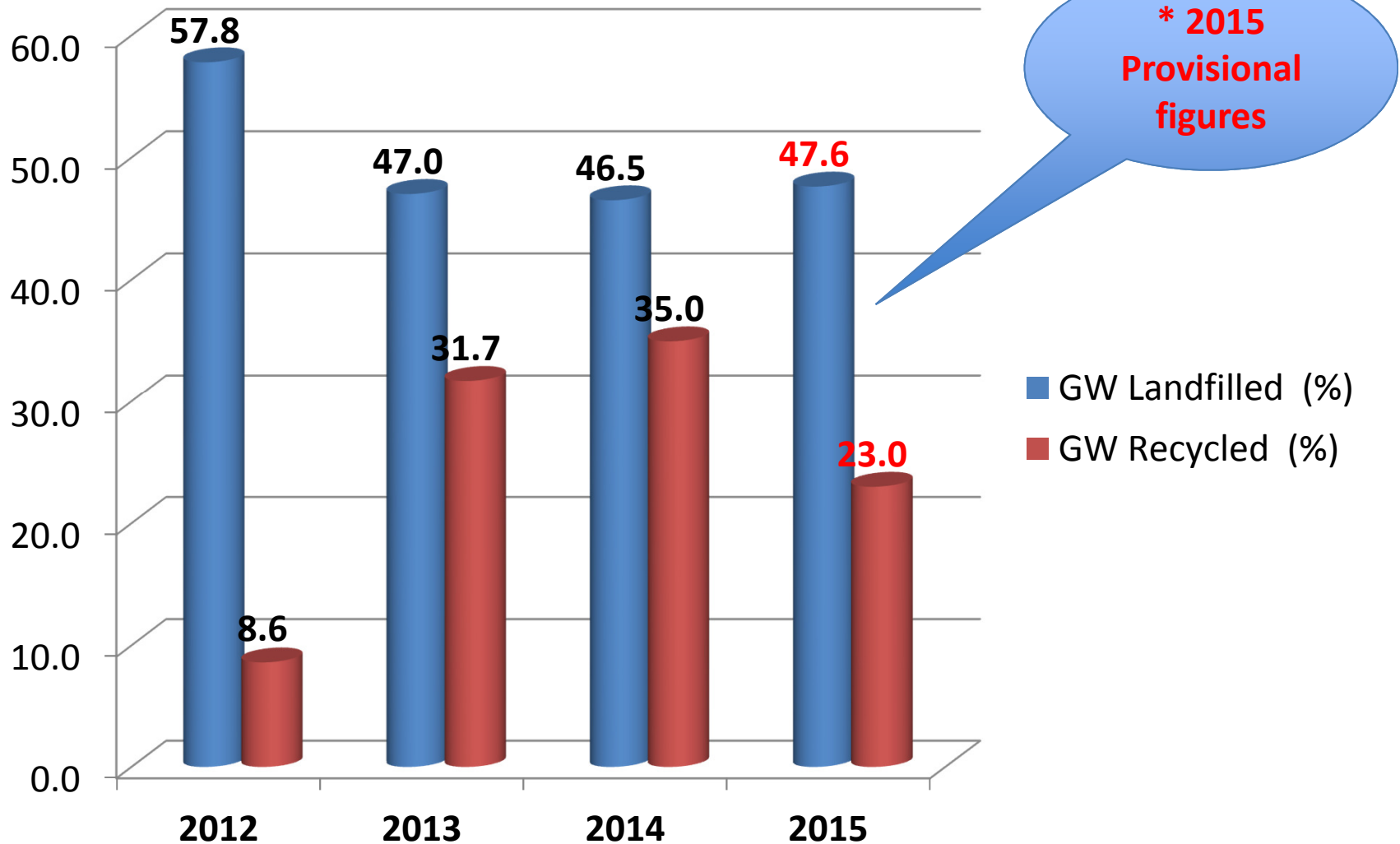
- Approved
- Draft

Waste Management Officers

Province / Municipal Area	WMO	Contact details
Gauteng Province	Ms. Z. Smale	Zingisa.smale@gauteng.gov.za
City of Johannesburg Metropolitan Municipality	Mr. T. Ehlers	TiaanE@joburg.org.za
City of Ekurhuleni Metropolitan Municipality	Ms. Q. Gcwensa	Qaphile.gcwensa@ekurhuleni.gov.za
City of Tshwane Metropolitan Municipality	Mr. M. Kolisa	MthobeliK@tshwane.gov.za
West Rand District Municipality	Mr. M. Zwane	mzwane@wrdm.gov.za
Mogale City Local Municipality	Mr. D. Nyokana	dominic.nyokana@mogalecity.gov.za
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Westonaria Local Municipality	Mr. M Mokwana	mmokwana@westonaria.gov.za
Merafong Local Municipality	Mr. S Mantjane	smantjane@merafong.gov.za
Sedibeng District Municipality	Mr. S. Dube	Sylvesterd@sedibeng.gov.za
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Lesedi Local Municipality	Mr. S. Moholobela	smoholobela@lesedilm.gov.za
Emfuleni Local Municipality	Ms. B. Somo	BurniceS@emfuleni.gov.za



General waste landfilled vs recycled



Waste Management trends

- Separation at source projects have been initiated in mainly metros municipalities e.g. CoJ, Tshwane, Randfontein, etc.
- Municipalities increasingly partnering with overseas partners and universities in waste management pilot projects.
- Increased imports of hazardous waste have been noted .
 - Cost Benefit Analyses need to be shared on the environmental & health burdens to society versus the socio-economic benefit
- There is increasing coordinated support for waste recycling companies and buyback centres by the national, municipal and provincial spheres of government

Waste Management trends

- Requests for environmental awareness and waste management training by the public, particularly the youth and NGOs – this is being given by both municipal and provincial officers
- There is increased coordination and partnering in awareness programmes such as BkB, Youth Jobs in Waste Programme, Clean Neighborhood Fridays etc .
- Accredited training which includes, project management, financial management , waste management , health & safety , as well as first aid training provided to co-operatives and buyback centres in order to grow and enhance their viability
- Municipalities increasingly using SMEs and community based contract models in rendering waste collection services
- Cleaned up illegal waste dumps being turned into community recreational facilities and gym areas.

Challenges	Opportunities / Solutions
<p>Litter and illegal dumping :</p>	<ul style="list-style-type: none"> • Awareness raising within communities and social cohesion • Improved by-laws enforcement
<p>- Builders rubble</p>	<ul style="list-style-type: none"> • Research and Innovation , • Building Industry Involvement and participation • Job creation
<p>- Recyclable waste (PPGTT)</p>	<ul style="list-style-type: none"> • Increase in the recycling economy
<p>- Garden waste / biomass</p>	<ul style="list-style-type: none"> • Linking with agricultural inputs production - composting , • Waste to energy



Challenges

Opportunities / Solution

Landfill Air Space Constraints

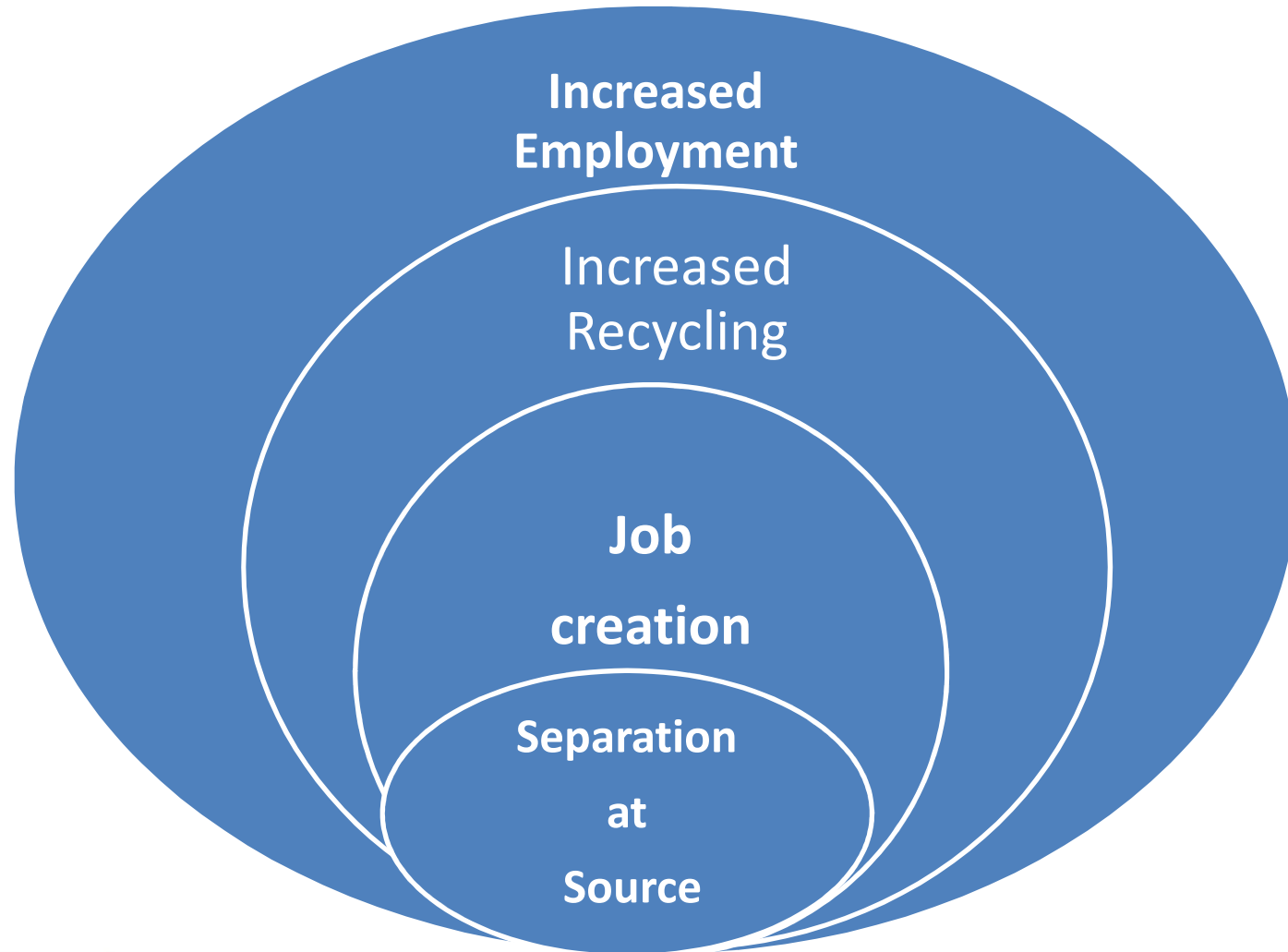
- Separation at source
- Job Creation through Waste Innovation
- Industry Waste Management Plan

Influx of hazardous waste into the province , with potential for long and short term health impacts

- Awareness raising by hazardous waste producers / generators /organisation and government what the exact health impacts of the waste are
- Publishing of information on the economic benefit (e.g. job created) from hazardous waste imports versus the health and environmental burdens now and in the future
- Medical and environmental baseline as well as ongoing monitoring

Challenges	Opportunities / Solution
<p>Import of general waste whilst general waste about 48 % of waste is being landfilled</p>	<ul style="list-style-type: none"> - Separate waste at source - Increase recycling targets
<p>Relatively “cheap” landfill disposal costs and the cost of managing landfills does not encourage separation of waste at source.</p>	<ul style="list-style-type: none"> - Full cost accounting for waste services needs to be implemented - All new municipal contracts must reward diversion from landfill
<p>Increasing trend of avoiding remediation of former mining land by wanting to develop landfills.</p>	<ul style="list-style-type: none"> - Mining land must be remediated - Waste must be diverted away for landfill.

Separation at source - key to increased recycling



**agriculture and
rural development**

Department: Agriculture and Rural Development
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Thank you

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