



# GAUTENG GENERAL WASTE MINIMISATION PLAN

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# Presentation outline

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## Goal and objectives

**To stabilize waste generation and reduce waste disposal by a margin and within timeframe**

- Set realistic and informed targets for general waste minimisation in the province
- Establish current waste minimisation practices and strengthen these
- Establish current life span and air space of general waste landfills with current status quo and set scenarios for improved waste minimisation
- Identify priority general waste streams and innovative ways of preventing/ minimising these
- Establish volumes of waste currently deviated from landfills through formal or informal means
- Promote job creation through various waste minimisation initiatives
- Implement Gauteng Integrated Waste Management Policy objectives





## Project link to the Gauteng Province

The implementation of this plan will result in

- Reduction of harmful environmental, social and health impacts of waste on people and environment, whilst ensuring sustainable livelihoods from waste recovery.
- Change in mind set – turning waste into a resource





## Project process – highlights & key stages

Activities	Deliverable	Date
Develop ToR	ToR approved by HOD	14 Mar 2007
Review tenders and award tender	DNW Environmental consultancy appointed	17 Jul 2007
Literature Review and Status Quo Analysis	Literature Review report and Status Quo Analysis report	31 Oct 2007
First Stakeholder Workshop (Lit review & status quo reports)	First Stakeholder Workshop Report - Comments and participation	05 Dec 2007
Second Stakeholder Workshop (Outline of Waste Minimisation Plan)	Second Stakeholder Workshop - Comments and participation	27 Feb 2008
Development of Waste Minimisation Plan	Draft Waste Minimisation Plan	26 Oct 2008





## Project link to National, Provincial, and Local level programmes

- The Constitution of the Republic of South Africa, Act 108 of 1996
- The National Environmental Management Act, Act 107 of 1998
- Integrated Pollution and Waste Management White Paper (1998)
- National Waste Management Strategy, 1999
- National Environmental Management: Waste Act, Act 59 of 2008





# Difference made by project and value added

- Status quo on waste volume generations and disposal
- Identification of waste streams for waste minimisation
- Target setting for waste reduction

The implementation of project outcomes will lead to:

- Reduction of waste management costs
- Elongation landfill air space
- Reduction of waste environmental impacts
- Creation of jobs and business opportunities
- Development of recycled commodity market





# Challenges, solutions and lessons learnt

- Lack of necessary equipment at landfill sites for recording purposes i.e. weighbridges
- ✓ **Solution - Estimate information in some instances**
- Revealed lack of prioritisation of waste management issues by municipalities such as human resource, sufficient budget allocation etc.
- ✓ **Solution - Were able to discuss these and escalate same to MMC/MEC meetings and Waste Management Forum Meetings in the Province**
- Unauthorised and incorrect media reporting of the project
- ✓ **Solution - Worked closely with our Communications Directorate in order to give accurate publication of the project and motivated to have staff trained in media handling**
- ✓ **Learnt the value of in-house project management in government in order to increase credibility, respect & staff retention and motivation**
- ✓ **Motivated that the Department should have a fully fledged projects Directorate for all the Department's strategic projects**





## Project outcome

- Acquired crucial information in terms of the state of waste management in Gauteng
- Identified viable waste minimisation options
- Identified ways of reducing waste at source in that way reduce waste that ends in landfills
- Encouraged waste treatment and recycling to ensure a move away from end-of –pipe solution
- Identified the importance of decreased use of raw materials for production





## Project outcome cont...

- Identified action plans and set waste minimisation and recycling targets
- Inclusion of waste minimisation requirements in Environmental Authorisations for all new developments
- Prepare and conduct waste minimisation skills development programme
- Provide a dedicated sorting area at landfills away from heavy machinery
- Mandate minimum requirements of 1 Material Recovery Facility per local authority
- Legislate green procurement practices for all local authorities





## Way Forward

- Submission of the plan to Legislature for adoption
- Implementation of the whole plan once adopted by Legislature





Thank you

