



Sustainability Indicators

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Context & Background



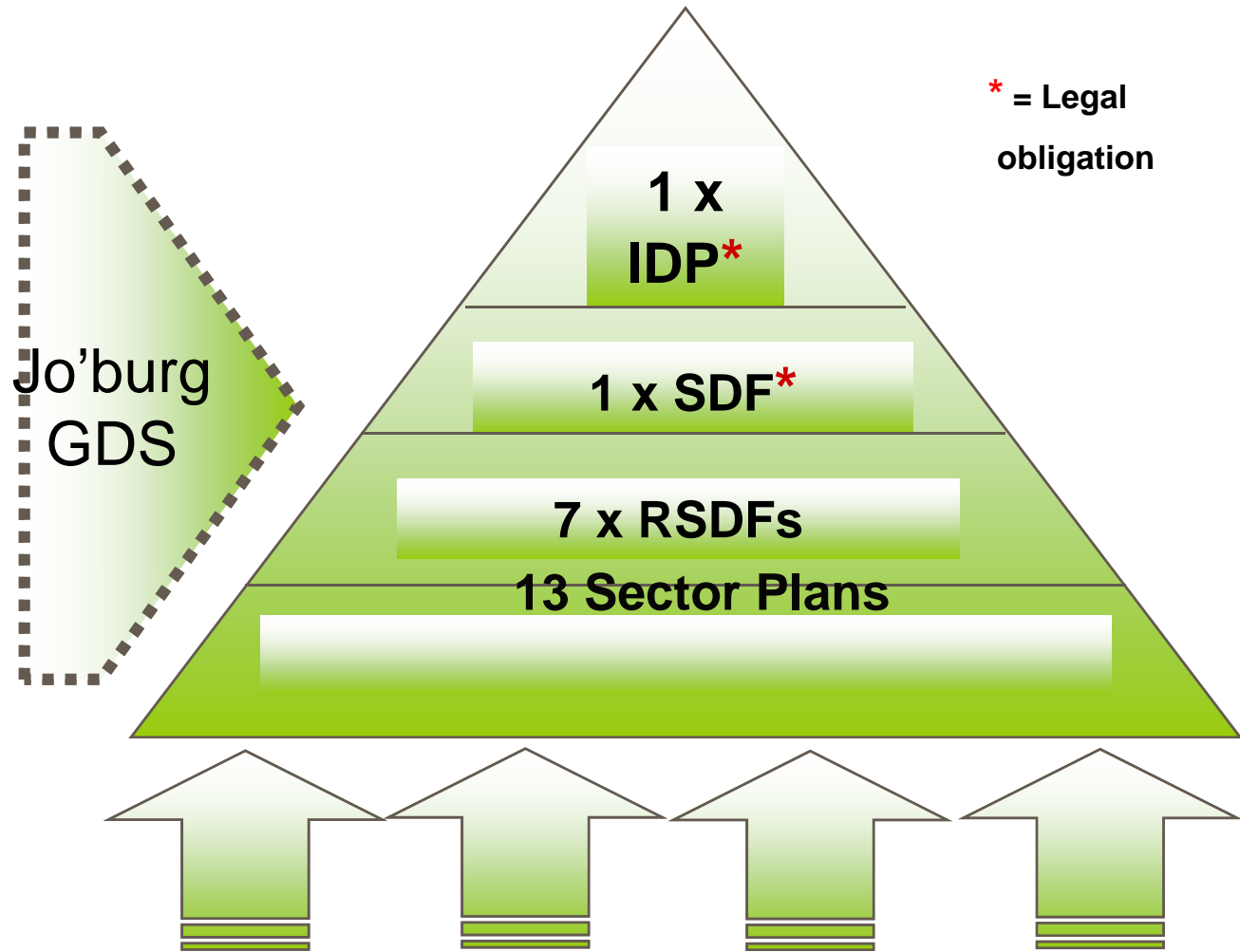
Strategic Planning Approach

- City's long-term strategy is underpinned by the **Growth Development Strategy** (GDS) & 5-year Integrated Development Plan (IDP)
- The GDS sets the strategic course for the long term planning.
- The IDP is legal requirement that give the 5 years development priorities.
- Process took a year (2006); political engagement & external consultation; reviewing achievements & opportunities

Strategic Planning approach



GDS underpinned by six developmental principles



Precinct Plans / Development Frameworks / Community Participation



Indicator Dev Process



- Johannesburg Growth and Development Strategy and the five year Integrated Development Plan (IDP) were approved in 2006
- A need arose to measure and monitor the impact of progress against commitments.
- Process initiated to develop city-wide GDS indicators that will assist the City to measure the impact and outcome of its strategies and programmes.
- Process also involved further consultations with Departments on the required data for each indicator, the data availability and how it will be accessed and collected.
- The product of this exercise was an agreed final set of **twenty-six indicators**.
- Using relevant and appropriate data, these indicators will be tracked on an annual basis to measure the long-term impact of City strategies in line with the targets contained in the five-year IDP.



Indicator Dev Process



- **Manageability:** they must be of a manageable quantity. Too numerous a number can be difficult to manage;
- **Relevance:** they must show you something about the system that you want to know, especially in terms of policy;
- **Clarity and simplicity:** they should be easy to communicate to a variety of stakeholders. If they are too technical this may affect their usage and interpretation;
- **Reliability** and accuracy: they must provide information you can trust;
- **Accessibility:** information on indicators must be able to be collected while there is time and in a cost-effective manner.



Examples of Indicators



- **Unemployment** rate per annum
- Number of Extended Public Works Programme (EPWP) **jobs created** by the City of Johannesburg
- Total number of **housing opportunities** created by the City of Johannesburg
- **Unaccounted for water** per annum
- **Electricity outages** -number of outages, and duration – bulk, medium and low per annum
- Number and **percentage of households with access to basic sanitation services**

Example of Environment related indicator



Description	Summarised motivation	Applicable GDS Principle/s
Total city ecological footprint in sq km	This indicator will allow the City to track its demand for natural resources and compare that with the amount of natural resources actually available. It can assist in environmental management and directly reflects sustainability and management.	Sustainability and environmental justice

Example of Environment related indicator



Description	Summarised motivation	Applicable GDS Principle/s
Number of days per annum that air pollution is within the city's air quality guidelines	Air pollution affects people's health, the natural environment and the overall quality of life. It can have detrimental affects on building materials, paint, etc.	Sustainability and environmental justice

Example of Environment related indicator



Description	Summarised motivation	Applicable GDS Principle/s
Net tonnage of waste disposed of in land fill sites	This indicator is related to environmental and financial sustainability and overall management of resources. A sustainable society is one that minimises waste and recycles and reuses as much as possible.	Sustainability and environmental justice



Data requirements



1. Total city ecological footprint in sq km –:

- A separate study is being commissioned to determine the data requirements for calculating the city's ecological footprint.
- Both a combination of national and local data will be needed for this indicator.
- The calculation of the municipal footprint requires the national average per capita footprint data and estimates in conjunction with a number of local variables to determine the local municipal footprint.



Data requirements



1. Total city ecological footprint in sq km –data requirements:

Local variables may include the following:

- Household personal consumption expenditures;
- Per capita income;
- Average household size;
- Population and population density;
- Energy consumption; and
- Commuting distances

Data Source: The data sources will need to be determined (commission a study)¹²



Data requirements



2. Number of days per annum that air pollution is within the city's air quality guidelines :

- The total number of days in which all six monitoring stations complied with the city's air quality guidelines – 2006,2007, 2008, etc

Data Source six monitoring stations

3. Net tonnage of waste disposed of in land fill sites :

- Total net tonnage of waste disposed of – 2006,2007, 2008, etc

Data Source: Pikitup; Department of Infrastructure and Services

Challenges & Interventions



Challenges	Interventions
Strong resistance to Environment Dept from playing leading role	Project championship located in the office of the City Manager.
Lack of understanding on the importance of indicators	Rigorous engagements with Departments to obtain buy-in.
Unavailability of information to report on all indicators	Commission Studies



Major Contributions

- Indicators are used by Mayoral Committee to measure organisational performance.
- Used to inform budgeting process
- Compel departments to take the sustainable development path and
- Report on indicators





Lesson Learnt

- Finding an appropriate home for the project to get compulsory buy-in from role players.
- Seletion of interdepartmental project management team and reference group to enhance the value of the product.





Thank You.

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