



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

URBAN WASTE MANAGEMENT PRESENTATION TO PARLIAMENT 19 FEBRUARY 2022

Making progress possible. **Together.**





11 February 2022

**Cllr Geordin Hill-Lewis
Executive Mayor:
City of Cape Town
CITY OF CAPE TOWN MUNICIPALITY
Private Bag X9181
CAPE TOWN
8000**

Dear Executive Mayor Cllr Hill-Lewis

**INVITATION TO BRIEF THE PORTFOLIO COMMITTEE ON
ENVIRONMENT, FORESTRY AND FISHERIES ON THE REGULATORY
AND OPERATIONAL RESPONSIBILITIES FOR WASTE MANAGEMENT,
CHALLENGES AND OPPORTUNITIES/SOLUTIONS ON FRIDAY, 18
FEBRUARY 2022.**

The above mentioned letter has reference.

The Committee has scheduled a virtual a Multi-Stakeholder Discussion titled "The Current/Existing Waste Streams (General & Hazardous) in the Republic; and Respective Waste Stream Generation and Management, including quantity generated, imported/exported, recycled/recovered, treated and disposed" and this kindly serves to invite the City of Cape Town to present to the Portfolio Committee on Environment, Forestry and Fisheries on the regulatory and operational responsibilities for Waste Management, challenges and opportunities/solutions in South Africa.

Please note that the meeting will held virtually via the Zoom Platform on Friday, 18 February 2021 from 09:30-17:00. The agenda and the link for the meeting will be sent to your office in due course. Kindly submit your presentation by end of business on **Wednesday, 16 February 2022**. I look forward to meeting with your delegation in carrying out this important task at hand. For further information in this regard, please contact Committee Secretariat, [REDACTED]

[REDACTED] The presentation should be sent to same email address.

Yours sincerely
Hon Ms AF Muthambi, MP
Chairperson of Portfolio Committee on Environment, Forestry and Fisheries



1. General update on :

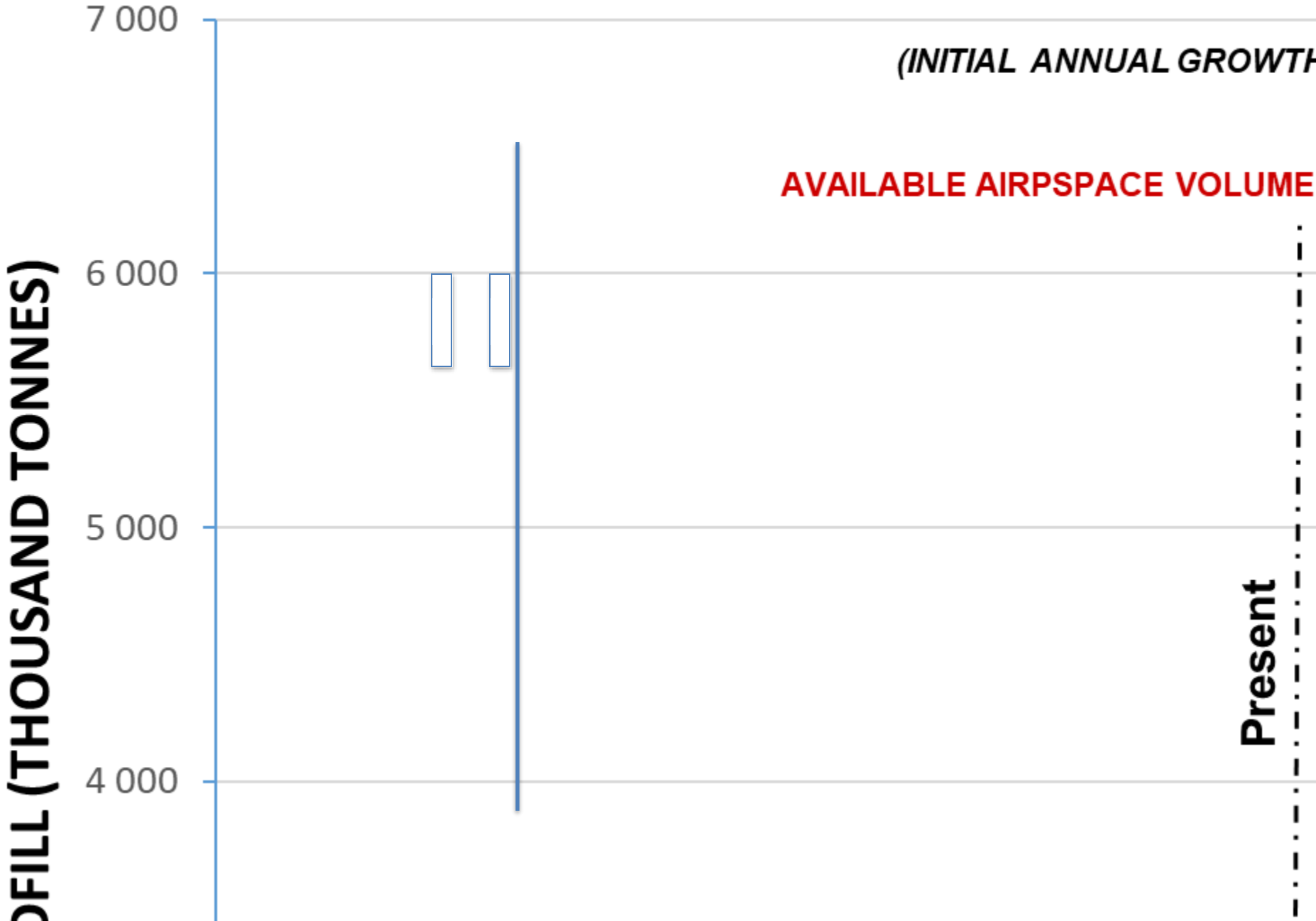
- Landfill management
- Diversion Initiatives
- Status of Waste

2. What are the regulatory responsibilities and operational responsibilities for Waste Management in Cape Town?

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LANDFILL MANAGEMENT

CITY OF CAPE TOWN: V



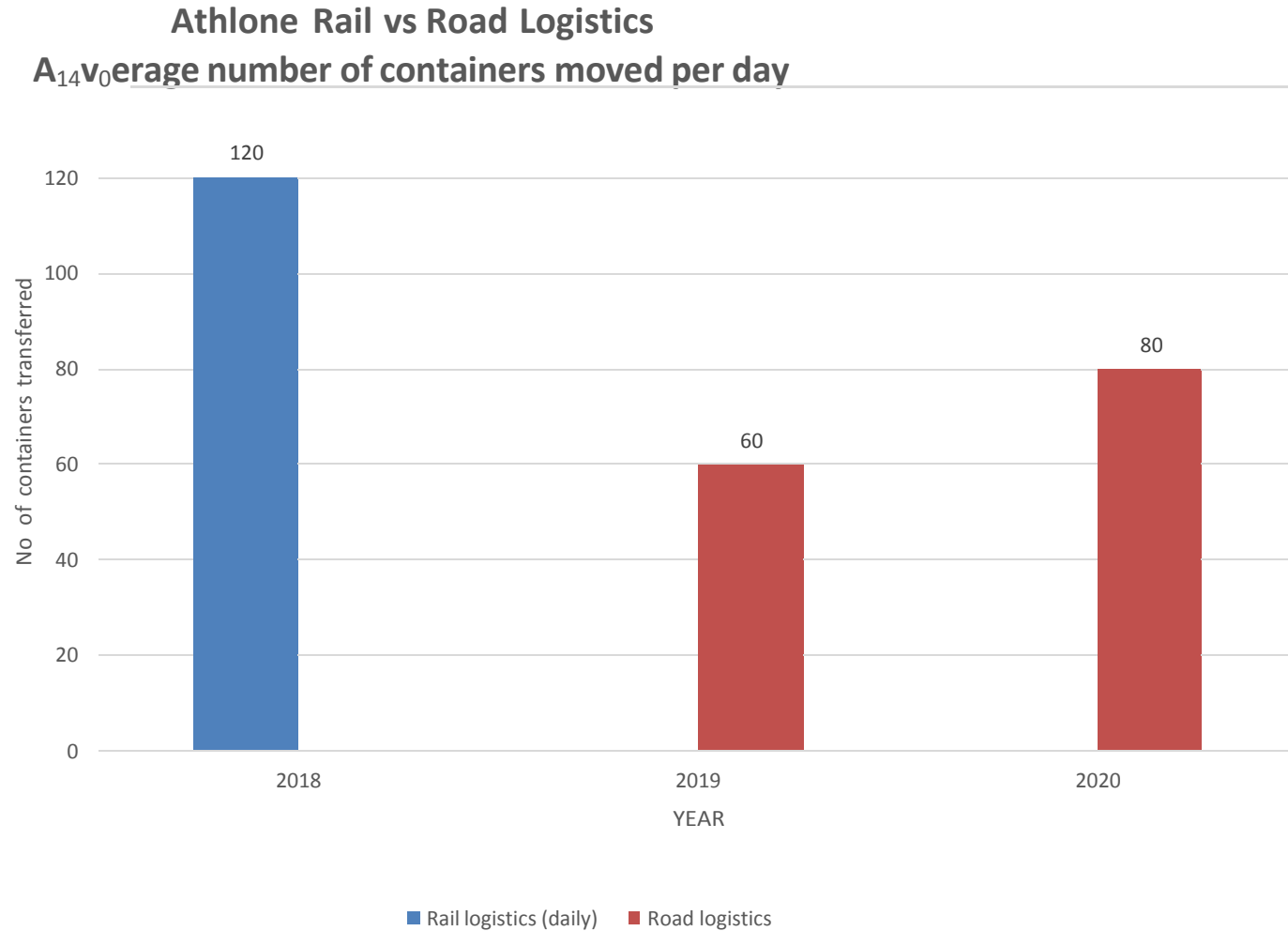
CITY OF CAPE TOWN AIRSPACE AVAILABILITY

- Previous model depicted in above slide is being revisited - dated 2019
- The airspace availability is therefore shown as reaching capacity between 2032 - 2033 (with additional interventions in progress this could extend to 2035/6).
- Additional interventions such as increased organic waste diversion and establishment of additional materials recovery facilities, will impact this positively and could extend the above timeframes.

CURRENT INTERVENTIONS

- Regional Integrated Waste Management Facility - Feasibility and Environmental Process currently in procurement.
- Alternate treatment - Materials recovery facilities, organic waste diversion - composting and other ; focus on treatment of special waste streams to avoid landfilling;
- Separation at source (dry waste recyclable collections)
- Public Awareness and Education programmes and campaigns
- Entrepreneurial recycling at drop-off facilities

CHALLENGES WITH RAIL ACCESS TO TRANSPORT WASTE



CHALLENGES WITH RAIL ACCESS TO TRANSPORT WASTE

MAJOR CHALLENGE - LACK OF RAIL SOVEREIGNTY

- The City has since 1995 made use of the services of Transnet Freight Rail (TFR) - Formerly Spoornet waste by rail) to transport waste by rail from the Athlone Refuse Transfer Station (ARTS) to the Vissershok Landfill Site (VHLS).
- The waste by rail operation was successfully part of the City's strategic waste management system for some 23 years (up to 2018) when illegal occupation of the rail occurred at Du Noon.
- The strategic plan into the future was to ensure the train can cover longer distances once a regional landfill facility was secured.
- Efficiency of waste transfer and serious negative impact on overall waste system and knock on effect on other branches.
- TFR has not been able to reinstate the service since 2018, relocation of the communities have not been achieved.
- The City would require assistance from government to reinstate this service through contacts with TRF as well as Human Settlements.
- Waste by rail - plan for both Gauteng and Western Cape



STATUS OF WASTE IN CAPE TOWN

Landfill sites (operational)	2
Transfer Stations	4
Material Recovery Facility	1
Drop-off sites	27
Access to a weekly kerbside formal area refuse collection service	100%
Formal Refuse collection points serviced weekly	670 088
Access to a weekly door-to-door informal settlement refuse collection service	99.74%
Informal recognised households serviced weekly	219 645
Waste Disposed (Dec 2021)	98 736 tons
Waste Diverted (Dec 2021)	24 588 tons
% Diversion (Dec 2021)	17.48%
CAPEX 2021/2022	R387m
OPEX 2021/2022	R4,104bn



DIVERSION INITIATIVES

Active Projects/Programmes

- Roll-out of home composters
- Increase footprint of think twice dry waste collection services
- Landfill gas extraction at CP and Bellville LS (flaring to energy)- 241000 carbon credits banked to date
- Mobile Swop shop project in low-income communities
- Ongoing chipping of all greens received by the city
- Stockpiling all builders rubble received for re-use at Bellville LS (Capping and rehabilitation)
- Piloting different collection of organic waste options/methodologies

Budgeted Infrastructure Projects:

- Development of a 100ton/day MRF at Coastal Park Landfill (tender stage)
- Development of Mini-MRF's at drop-off facilities
- Development of additional drop-offs (with recycling activities)
- Developing a MRF at Athlone RTS(Design)
- Providing capacity for organic waste separation at Athlone RTS (Design)
- Landfill gas infrastructure at Vissershok LS
- Construction of additional mobile swop shops

New Initiatives and Projects

- 21 Community refuse collection and recycling centres (community/EPWP)

WHAT ARE THE REGULATORY RESPONSIBILITIES AND OPERATIONAL CHALLENGES FOR WASTE MANAGEMENT IN CAPE TOWN?

City of Cape Town have key risks such as:

- Safety and security of assets, infrastructure and workforce.
- Risks of revenue to cover CAPEX and OPEX demands required to meet regulatory responsibilities and meeting all objectives of strategies and plans.
- Unprecedented growth in population.
- Risk of surrounding local municipalities not being able to provide bulk waste infrastructure to meet their own local demands.
- The need to stimulate demand for recyclable products/ recycling through catalytic and aggressive green procurement legislation.
- Waste diversion, separation of waste at source and increased material recovery are costly relative to the value of the material recovered.
- Community involvement in waste management is now viewed as an opportunity.
- Reality of closure of existing landfills (in or close to the urban area) underscores the importance of waste by rail.
- Delays in Capital Infrastructure due to delays in issue of Department of Labour Work Permits.
- Challenges with DFFE and DWS for timeous approval of designs at amongst others, Vissershok landfill.

WHAT IS CITY OF CAPE TOWN'S STRATEGIC VISION TOWARDS THESE CHALLENGES, OPPORTUNITIES AND SOLUTIONS?

What we need to do:

1. We cannot sustain unviable projects (illegal dumping) or increase budget in the absence of positive environmental or regulatory outcomes and or continuous improvement of quality services.
2. We need to do things differently, innovate, learn from our mistakes and appropriate budget in an efficient and sustainable manner.
3. Waste Management should become and must remain the collective responsibility of the City of Cape Town and all other stakeholders in the City, which includes the citizens.
4. The management of waste in Cape Town should be a collaborative approach and responsibility ensuring all communities, businesses, developers, entrepreneurs, waste pickers, informal sector, citizens to become part of, through consultation, engagement, ownership, economic opportunities and job creation.
5. City of CT will review Council policies to give light to the Vision that we have put forward.
6. Managing waste cannot be a standalone strategy, it should be a fully integrated and transversal deliverable provided for in the City's IDP 5 year plan. As lately articulated by the Mayor the need for Cape Town being **A City of Hope**.



THANK YOU

