

Summary of Programmes & Projects

20.1 INTRODUCTION

As an outcome of the issues, objectives and strategies phase of the IDP process the task teams identified a comprehensive set of programmes and projects for Buffalo City.

A workshop and various meetings were held with councillors and officials to discuss and, as far as possible, prioritise the programmes and projects according to the following important criteria :

- ❑ To address the basic needs of the citizens of Buffalo City
- ❑ To uphold the Constitutional objectives, the developmental duties of Local Government and the fundamental rights of citizens
- ❑ To ensure that programmes and projects are affordable
- ❑ To ensure that all activities, programmes and projects are based on the principles of sustainable development
- ❑ To operate within the national and provincial legislative framework and policies
- ❑ To ensure the continued maintenance of existing infrastructure, assets and facilities
- ❑ To focus on the upliftment of the rural areas according to appropriate levels of service, within the means of the Council
- ❑ The building of public/private partnerships, where appropriate

It remains necessary to give a specific explanation of the wide variety, and enormous volume of programmes and projects that are detailed within the IDP plan. The tabulation of programmes and projects should be seen more as a general and comprehensive record of all that Buffalo City feels is needed to achieve our vision in the short- and medium-term, and possibly even in the longer-term, as resources become available over time. The respective capital and operating budgets of the municipality over the next five years will now be orientated towards achieving the objectives of the first IDP.

It must be stressed therefore that the project proposals represent a far more comprehensive list of possible projects than what is feasible during the first IDP

period, given the resource constraints under which Buffalo City will continue to operate for the foreseeable future. Many of the proposed projects will only come to fruition if external funding is made available from national or provincial resources, or from other partners.

As part of the process of integration and alignment the various programmes and projects have been categorized as follows:

- ❑ Institutional
- ❑ Knowledge, Information, Research and Studies
- ❑ Policies
- ❑ Planning and Pilot Studies
- ❑ Partnerships
- ❑ Capacity Building
- ❑ Direct Interventions

The detailed list (i.e. project description, funding and funding sources over the five year period, project priorities and the key performance indicators) of programmes and projects is contained in the supporting documentation.

20.2 INSTITUTIONAL

The projects listed under institutional are mostly the result of the new amalgamated institutional environment that Buffalo City finds itself in. There are mainly four types identified, i.e. :

- ❑ The establishment or creation of new centres, units and offices for specific types of activities
- ❑ General institutional change in terms of the organisational structure (organogram requirements) and the need for additional staff
- ❑ Internal administrative support and external and institutional support
- ❑ Specific funding requirements

20.2.1 CENTRES, UNITS & OFFICES

1. Amalgamate administration units and formalise service provider arrangements.
2. Establishment of units, centres or offices for:

<input type="checkbox"/> Electricity loss control section	<input type="checkbox"/> Revenue collection
<input type="checkbox"/> Internal LED unit	<input type="checkbox"/> Specialised health promotion unit
<input type="checkbox"/> Employee Wellness unit (HIV/AIDS)	<input type="checkbox"/> Aids Training and Information Centre (ATIC)
<input type="checkbox"/> Local Agenda 21 office	<input type="checkbox"/> Atmospheric pollution control unit
<input type="checkbox"/> Disaster Management centre	<input type="checkbox"/> Coastal conservation office
<input type="checkbox"/> Set up satellite office for Housing issues in KWT.	<input type="checkbox"/> Water loss management section

20.2.2 INSTITUTIONAL CHANGE, ORGANISATIONAL STRUCTURE AND NEW STAFF

1. Organisational and institutional review and structure for:

<input type="checkbox"/> Disaster management	<input type="checkbox"/> The management of housing matters
<input type="checkbox"/> Waste management	<input type="checkbox"/> Environmental health management
<input type="checkbox"/> Transport planning	<input type="checkbox"/> Cemeteries and crematoria
<input type="checkbox"/> Delivery structure for HIV/AIDS.	<input type="checkbox"/> Natural environment
<input type="checkbox"/> Sanitation	

2. Assessment of staff needs and recruitment of appropriate new staff within especially the following departments/areas:

<input type="checkbox"/> Land administration	<input type="checkbox"/> Cemeteries and crematoria
<input type="checkbox"/> Water & Sewerage	<input type="checkbox"/> Natural environment
<input type="checkbox"/> Marine and coastal	<input type="checkbox"/> Pollution
<input type="checkbox"/> Waste management	<input type="checkbox"/> Spatial planning

3. Investigate the establishment of/and the preparation of funding arrangements for a Transport Authority.
4. Apply for Water Services Authority status to allow better control of finances.
5. Centralise the administration of all immovable property leases.
6. Streamlining of bureaucratic procedures concerning land administration.

7. Obtain SABS Laboratory Accreditation for pollution issues.
8. Develop an interdepartmental planning committee for water and sewerage issues
9. Formulate institutional standards and procedures.
10. Review approval procedures for capital and revenue budgets as well as the appointment of consultants and award of tenders.
11. Establish and develop International Relations, Events Management, Protocol, Media Liaison, customer Relations & Public Relations.

20.2.3 SUPPORT

1. Support to the Tourism Buffalo City organisation.
2. King William's Town Industrial Support and Promotion.
3. Support the EL DZ Corporation.

20.2.4 FUNDING

1. BCMET Implementation 40% counter funding (transportation).
2. Provision of Niemand Refunds for projects undertaken by private developers; Provide for repayment of Niemand Refunds.
3. Subsidised electrification & counter funding.
4. Job creation fund.
5. Fund for pauper burials.
6. Take-over of ADM Functions contingency amounts for water and sewerage infrastructure and equipment.
7. Increase tariffs gradually to build-up cash reserves through the tariffs.
8. Establish housing development account to fast tract process.
9. Creation of a housing fund.

20.3 KNOWLEDGE, INFORMATION, RESEARCH AND STUDIES

There is a general lack of knowledge and information for the proper planning and management of activities and resources in Buffalo City. The need for data capturing, digital databases, mapping of information studies etc. was already identified during the analysis phase of the IDP process.

The following main types of projects were identified :

- To undertake general surveys and mapping of information
- Data collection, research and investigations
- The analysis of existing situations and the study of new areas
- The need for computer hardware, software
- The need for a Geographical Information System

20.3.1 SURVEYS AND MAPPING

1. SMME survey to identify target groups and to promote network building.
2. Economic Skills Audit survey within Buffalo City.
3. A resources and an impact and prevalence survey for HIV/AIDS issues.
4. A risk and vulnerability assessment and mapping for disaster management.
5. A survey of land required for :

- Firehouses
- Waste situation in B.C.
- Electricity load surveys.

20.3.2 DATA COLLECTION, RESEARCH AND INVESTIGATIONS

1. Institutional (staff) data capture and maintenance.
2. Collection and management of data and set up of digital databases (GIS) within the following department and / or areas:

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| <input type="checkbox"/> Strategic spatial planning | <input type="checkbox"/> Cultural heritage |
| <input type="checkbox"/> Traffic accidents | <input type="checkbox"/> Roads |
| <input type="checkbox"/> Housing | <input type="checkbox"/> Pollution |
| <input type="checkbox"/> Cemeteries and crematoria | <input type="checkbox"/> Recreational use and subsistence use of natural resources. |
| <input type="checkbox"/> Register HIV/AIDS Service Organisations | <input type="checkbox"/> Environmental health |
| <input type="checkbox"/> Waste management | <input type="checkbox"/> Natural environment |
| <input type="checkbox"/> Land use and administration | <input type="checkbox"/> Water and Sewerage |

3. Develop a Management Information System to deal with HIV/AIDS
4. Build up a transportation library.
5. The identification and acquisition of suitable unserviced land for Buffalo City in general and specifically for cemeteries.

6. Establish housing need and land availability.
7. Business research and outreach partnership project.
8. Tourism Research and statistics including identification and promotion of cultural heritage sites having tourism potential.
9. Identify and evaluate health hazards and risks in the living, work and recreational environment and investigation of nuisances and complaints of including those related to pollution.
10. Develop methodology for and undertake traffic safety audits.
11. The following investigations are required for :

- Employee benefits concerning HIV/AIDS issues.
- Alternative service providers.
- Alternative interment techniques.
- Investigation into un-accounted water
- Storm water ingress; take action against illegal entry and repair where ingress is found on municipal system.
- Alternative disposal methods and collection for hazardous waste.
- Sensitive areas in the natural environment.
- Investigation and establishment of partnerships including possible agency funded services for coastal and marine issues.
- The feasibility for the establishment of uniform working hours for primary health care facilities.
- The practical and financial implications of free electricity.
- Identify potential developmental and funding resources

12. Investigate alternative service delivery institutional arrangements to provide a water and/or sanitation / sewerage service in Buffalo City Municipality

20.3.3 ANALYSIS AND STUDIES

1. Conduct a comprehensive analysis of :

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| <ul style="list-style-type: none"> ❑ Water services analysis to identify backlogs in the provision of and access to basic services. ❑ Sewerage services analysis to identify backlogs, surplus, capacity to ensure the optimal usage of sewers and pump stations. | <ul style="list-style-type: none"> ❑ To optimise the use of sewage treatment infrastructure and identify areas capable of augmenting raw water supplies. ❑ A baseline pollution audit and gap analysis. |
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2. Undertake health and environmental risk assessment study concerning pollution and waste management
3. Overall logistics study for waste collection.
4. Comprehensive Agricultural Sector Study.
5. Baseline study of coastal and marine resources and activities.
6. State of Environment Report focusing on pollution.
7. Undertake the following feasibility studies :

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| <ul style="list-style-type: none"> ❑ The establishment of a Municipal Court dealing with environmental issues ❑ To establish the need for public private partnerships dealing with natural environment issues. ❑ The provision of additional health services (clinics and mobile services). |
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20.3.4 COMPUTER HARDWARE, SOFTWARE AND GIS SYSTEMS

1. Establishment and purchase of computers (hardware and software) to link and integrate data to the existing Geographic Information System (GIS) for the entire administration.
2. Fixed asset register system and maintenance.

20.4 POLICIES

The development of new, updated and appropriate policies is required to provide the necessary guidance during the provision of services and facilities to the citizens of Buffalo City.

The following main types of policy related activities have been identified :

- Formulation of policies
- The review and standardisation of existing and new by-laws

20.4.1 POLICIES

1. Review and updating of policies, procedures & plans.
2. Formulation of the following policies:

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| <ul style="list-style-type: none"> <input type="checkbox"/> Credit control policy <input type="checkbox"/> Uniform tariff policy <input type="checkbox"/> Customer incentive policy <input type="checkbox"/> Debt capacity policy <input type="checkbox"/> Policies for raising finance from Donors & Government <input type="checkbox"/> Indigent policy <input type="checkbox"/> Electricity tariff policy (basically completed) <input type="checkbox"/> Development of policies and projects within the framework of an Environmental Management Programme (EMP). <input type="checkbox"/> Environmental health policies <input type="checkbox"/> Upgrade of cemeteries and crematoria policy <input type="checkbox"/> Pollution policy <input type="checkbox"/> Evaluation and revision of internal policy for HIV/AIDS <input type="checkbox"/> Water services level policy | <ul style="list-style-type: none"> <input type="checkbox"/> Tariff and incentive policy <input type="checkbox"/> Rates policy (valuation of properties and valuation records) <input type="checkbox"/> Repairs and maintenance policy <input type="checkbox"/> Large scale economic investment policy <input type="checkbox"/> Financing policy regarding funding by Council or Government <input type="checkbox"/> Buffalo City densification policy <input type="checkbox"/> Municipal housing policy <input type="checkbox"/> Detailed work policies and policies on enforcement in consultation with stakeholders for environmental health <input type="checkbox"/> Human relations policy <input type="checkbox"/> Sewerage and sanitation implementation and levels of service policy <input type="checkbox"/> Health care policy <input type="checkbox"/> Waste management policies and guidelines. <input type="checkbox"/> Water service tariff policy |
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20.4.2 LEGISLATION AND BY-LAWS

Review, upgrade and standardisation of municipal and regulatory by-laws concerning :

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| <input type="checkbox"/> Environmental health | <input type="checkbox"/> Cemeteries and crematoria |
| <input type="checkbox"/> Pollution | <input type="checkbox"/> Waste management |
| <input type="checkbox"/> Marine and coastal. | <input type="checkbox"/> Water services |

20.5 PLANNING, PROCEDURES AND METHODS

The formulation and preparation of appropriate development plans, systems, methods for Buffalo City were identified during the IDP process. The following main type of planning activities have been identified :

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| <input type="checkbox"/> The development of various plans as well as the preparation of development plans |
| <input type="checkbox"/> The development of programmes |
| <input type="checkbox"/> The formulation and development of systems |
| <input type="checkbox"/> The establishment of indicators |
| <input type="checkbox"/> The development of models as a planning tool |
| <input type="checkbox"/> The formulation of strategies, some of them being a legal requirement. |

There is a strong link between these projects and some of the projects proposed in the listed under item 21.3 (i.e. Knowledge, Information, Research and Studies).

20.5.1 “DEVELOPMENT PLANS” AND “THE DEVELOPMENT OF PLANS”

1. Preparation and the development of the following plans :

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| <input type="checkbox"/> Disaster Management Plan | <input type="checkbox"/> Integrated IT plan |
| <input type="checkbox"/> Integrated rural development plan | <input type="checkbox"/> Integrated GIS plan |
| <input type="checkbox"/> Coastal management plan | <input type="checkbox"/> Major roads plan |
| <input type="checkbox"/> Public transport plan | <input type="checkbox"/> Integrated transport plan |
| <input type="checkbox"/> Pedestrian and cycle plans | <input type="checkbox"/> Plan for freight and hazardous goods transport |
| <input type="checkbox"/> Parking development and management plan | <input type="checkbox"/> Marketing and promotion plan |
| <input type="checkbox"/> Quigney Revitalization Plan | <input type="checkbox"/> Tourism development plan. |
| <input type="checkbox"/> Coastal development plan | |

2. Comprehensive Spatial Development Framework.
3. The preparation of the following Development Plans :

<input type="checkbox"/> West Bank to Needs Camp	<input type="checkbox"/> Lilyvale
<input type="checkbox"/> Dimbaza South to Mt. Coke.	<input type="checkbox"/> Parks
<input type="checkbox"/> Nurseries	<input type="checkbox"/> Public open spaces
<input type="checkbox"/> Rural and urban agriculture	<input type="checkbox"/> The Beachfront.
<input type="checkbox"/> BCMET Planning and Administration	<input type="checkbox"/> Development and use of a computerised transport model.
<input type="checkbox"/> Design of interment facilities	<input type="checkbox"/> Major roads design (BCMET).
<input type="checkbox"/> Water management system	

4. The preparation of implementation plans for :

<input type="checkbox"/> Kidds Beach, Needs Camp to Mt Coke
<input type="checkbox"/> Fort Jackson to Berlin
<input type="checkbox"/> Yellowwoods - Peelton - Kei Road.

5. Plan and prioritise housing with Housing Working Group and Ward Committees.
6. Review of disaster management plans.

20.5.2 PROGRAMMES

1. The preparation, development (and implementation) of the following programmes :

<input type="checkbox"/> Environmental management	<input type="checkbox"/> Graduate recruitment programme
<input type="checkbox"/> Monitoring programme for environmental health	<input type="checkbox"/> Community facilities
<input type="checkbox"/> Urban agriculture	<input type="checkbox"/> Sustainable housing
<input type="checkbox"/> Capacity building for Local Agenda 21	<input type="checkbox"/> Sustainable tourism
<input type="checkbox"/> Risk assessment for development	<input type="checkbox"/> Pollution enforcement
<input type="checkbox"/> Air quality monitoring	<input type="checkbox"/> Informal recyclers
<input type="checkbox"/> An open space system management plan including erosion and invasive vegetation	<input type="checkbox"/> Environmental health community information development programme

2. The preparation, development (and implementation) of the following spatial programmes:

<input type="checkbox"/> Mdantsane urban renewal	<input type="checkbox"/> Ginsberg planning and implementation
<input type="checkbox"/> Reeston planning and implementation	<input type="checkbox"/> King William's Town - CBD integrated revitalisation
<input type="checkbox"/> East London - CBD integrated revitalisation	<input type="checkbox"/> MELD corridor development
<input type="checkbox"/> King William's Town CUP implementation	<input type="checkbox"/> Buffalo Flats urban renewal
<input type="checkbox"/> Quinera development	

3. Preparation, development (and implementation) of the following road programmes :

<input type="checkbox"/> Rural road rehabilitation	<input type="checkbox"/> Tarred road rehabilitation
<input type="checkbox"/> Bridge rehabilitation	<input type="checkbox"/> Secondary roads upgrade
<input type="checkbox"/> Minor works	<input type="checkbox"/> Informal settlement access roads

20.5.3 SYSTEMS

The formulation of the following systems :

<input type="checkbox"/> Fleet Management System
<input type="checkbox"/> Performance Management System.
<input type="checkbox"/> Land use management system.
<input type="checkbox"/> Development of a road management system.
<input type="checkbox"/> Development and implementation of an Environmental Management System.
<input type="checkbox"/> Development and implementation of a Laboratory Information Management System focusing on pollution.
<input type="checkbox"/> Establish effective monitoring systems for environmental health
<input type="checkbox"/> Develop a District Health information system

20.5.4 INDICATORS AND APPLICATIONS

1. Establishment of benchmarks and performance indicators.
2. Develop and adapt institutional applications.
3. Develop realistic targets and indicators for environmental health.

20.5.5 STRATEGIES

1. Development and implementation of disaster prevention and mitigation strategies as well as post disaster strategies.
2. Development of detailed (sectoral) pollution strategies.
3. Develop key policy and communication strategies involving ward committees, information kiosks, web pages and ward councillors.
4. Development of the following financial strategies:

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| <input type="checkbox"/> Revenue raising strategies | <input type="checkbox"/> Asset management strategies |
| <input type="checkbox"/> Financial management strategies | <input type="checkbox"/> Capital financing strategies |
| <input type="checkbox"/> Operational financing strategies | <input type="checkbox"/> Cost effective strategies. |

20.6 PUBLIC AND PRIVATE PARTNERSHIPS

Buffalo City will be required as part of its developmental role and in the spirit of co-operative governance to investigate and enter into public / private partnerships when and where appropriate. During the IDP process the following proposed public/private partnership projects or ideas have been identified :

1. Link tertiary institutions and other skills development organisations with industry, agriculture, tourism and SMME's.
2. Investigation of financial service delivery options and public/private partnerships.
3. Economic development partnership structure or strategic task team.
4. Inter-sectoral collaboration and partnerships concerning HIV/AIDS issues
5. Inter-Departmental HIV/AIDS Forum for internal reporting mechanisms.
6. Participate on external planning committees to ensure Buffalo City Municipality is in line with current trends within the area of water and sewerage.
7. Establish a team to source alternative funding sources for water and sewerage issues
8. Enter into alternative service delivery arrangements for water and sewage treatment that cannot be economically performed by Buffalo City Municipality.
9. Consultation with stakeholders regarding pollution.

10. Outsourcing of waste management.
11. Internal and external (industries, NGOs, CBOs etc.) waste management co-operation within Buffalo City Municipality
12. Efficient use of marine and coastal resources through partnerships.
13. Establishment of a Task Team inclusive of legal representation to recommend to Council to request the Government to modify and repeal outdated land administration legislation and ownership.
14. Creation of a Stakeholder's Forum for Local Agenda 21.
15. Establishment and maintenance of Community Forums for marine and coastal areas.

20.7 CAPACITY BUILDING

The task teams have identified the need for internal and external capacity building, training, information, campaigns etc. during the IDP process. The projects have been categorised into mainly three types :

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| <ul style="list-style-type: none"> <input type="checkbox"/> Internal related training needs and capacity building of the staff <input type="checkbox"/> External or community capacity building and education programmes <input type="checkbox"/> General awareness programmes and information campaigns |
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20.7.1 INTERNAL TRAINING AND CAPACITY BUILDING

Training, skills development and capacity building of staff within more specifically the following departments and/or areas:

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| <ul style="list-style-type: none"> <input type="checkbox"/> Financial <input type="checkbox"/> Spatial <input type="checkbox"/> Sewerage <input type="checkbox"/> Disaster management <input type="checkbox"/> Waste management. <input type="checkbox"/> Nature resource management | <ul style="list-style-type: none"> <input type="checkbox"/> Institutional <input type="checkbox"/> Environmental health <input type="checkbox"/> HIV/AIDS & Health care <input type="checkbox"/> Pollution <input type="checkbox"/> Transportation <input type="checkbox"/> Water |
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20.7.2 EXTERNAL CAPACITY BUILDING AND EDUCATION

1. Implement customer education programmes and projects concerning the following areas :

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| <input type="checkbox"/> Finance | <input type="checkbox"/> Electricity |
| <input type="checkbox"/> Sustainable usage of the sewerage systems | <input type="checkbox"/> The effects of illegal storm water in sewers |
| <input type="checkbox"/> The effects and costs of vandalism. | <input type="checkbox"/> Water conservation |

2. Development of community participation and capacity building programmes for :

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| <input type="checkbox"/> Pollution issues | <input type="checkbox"/> Housing issues |
| <input type="checkbox"/> Natural environment issues | <input type="checkbox"/> Health issues including Environmental health |
| <input type="checkbox"/> AIDS Training and Information Centre provided by ATIC | |

3. Development and implementation of educational programmes concerning marine and coastal issues.

20.7.3 EXTERNAL AWARENESS PROGRAMMES AND CAMPAIGNS

1. Development and implementation of awareness raising campaigns within the following areas:

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| <input type="checkbox"/> Local Agenda 21 | <input type="checkbox"/> Cemeteries and crematoria |
| <input type="checkbox"/> Disaster management | <input type="checkbox"/> Waste management |
| <input type="checkbox"/> Natural environment | <input type="checkbox"/> Pollution. |
| <input type="checkbox"/> Cultural and Gender | <input type="checkbox"/> Crime & Grime Campaign focusing on tourist areas. |
| <input type="checkbox"/> Traffic Safety | |

2. Promote bicycling (information campaign, provide bicycles, support small bicycle-related industry, cycle lanes, "bike & ride", bicycle parking).

20.8 DIRECT INTERVENTIONS

It is important for Buffalo City to maintain what is already there and to bring other aspects (e.g. infrastructure, services etc.) up to the required standard. Certain projects identified by the task teams are more focussed on direct interventions and more capital in nature (i.e. physical implementation projects). The following types of direct interventions have been identified :

- ❑ The acquisition and implementation of computers and IT systems
- ❑ The acquisition, sale etc. of all land related activities
- ❑ The maintenance, upgrading, replacement and reconstruction of properties, facilities, equipment and infrastructure
- ❑ The provision of facilities and acquisition of new equipment
- ❑ The provision of services by Buffalo City
- ❑ The implementation of existing projects and pilot projects
- ❑ The implementation of minor engineering related works
- ❑ The construction of new infrastructure
- ❑ Commercial development projects
- ❑ Housing development projects
- ❑ Renewal and upgrading of ageing water infrastructure

20.8.1 IMPLEMENTATION OF COMPUTER (HARDWARE, SOFTWARE) AND IT SYSTEMS

1. The acquisition of hardware and software programmes and IT infrastructure.
2. Aerial photography and digital mapping for institutional needs.

20.8.2 LAND (ACQUISITION / EXPROPRIATION / SALE/ ADMINISTRATION)

1. Acquisition of land for housing.
2. Acquisition of land for cemeteries.
3. Sale of Council property by public tender.
4. Expropriation of farms at Mzamomhle for housing.
5. Upgrading of tenure rights in R293 areas.

20.8.3 MAINTENANCE, UPGRADING, REPLACEMENT AND RECONSTRUCTION

20.8.3.1 Property, Facilities and Equipment

1. Ongoing maintenance and upgrading of :

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| <ul style="list-style-type: none"> ❑ Municipal buildings ❑ Facilities, equipment and plant for cemeteries ❑ Dimbaza fire station ❑ Greenfields fire station ❑ Fleet Street fire station ❑ Municipal houses ❑ Facilities for environmental services | <ul style="list-style-type: none"> ❑ Establishment and upgrading of the following waste depots : <ul style="list-style-type: none"> - Chalumna - Dimbaza - Bisho - Phakamisa - Breidbach - Botanic Gardens - Mount Coke - Berlin - Gonubie - Ilitha - Mdantsane |
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2. Breidbach – Replacement of electricity distribution kiosks.

3. Refurbishment of safety and security water tanker, relocation of control centre and extension to training centre on Fleet Street.

20.8.3.2 Infrastructure

1. The maintenance of the following infrastructure :

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| <ul style="list-style-type: none"> ❑ Traffic signals and maintenance. ❑ Implementation of an electricity maintenance plan and upgrade existing electricity infrastructure (ad-hoc and planned maintenance). ❑ Major Pump Stations Maintenance - Refurbish existing focusing on those areas with current shortages and identified development areas. ❑ Implement routine and preventative maintenance programmes for water and sewerage throughout the entire City. |
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2. The upgrading of infrastructure :

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| <ul style="list-style-type: none"> ❑ Upgrade of Qumza Highway ❑ Gonubie Main Road. ❑ Street Lightning upgrading in Ginsberg and Bisho. | <ul style="list-style-type: none"> ❑ Vincent Park roads ❑ Electricity reticulation and substation upgrading in specific areas within Buffalo City. ❑ Douglas Smit Corridor Upgrade. |
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| <ul style="list-style-type: none"> ❑ Potsdam Treatment Works or upgrade existing Mdantsane West Works. ❑ Upgrade Reeston Treatment Works to take flow deviated from Central. ❑ Upgrade bulk transfer infrastructure | <ul style="list-style-type: none"> ❑ Upgrade capacity at central treatment works. ❑ Upgrade Umzoniana Water Treatment Works |
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3. The rehabilitation of infrastructure :

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| <ul style="list-style-type: none"> ❑ Rural Road Rehabilitation Programme ❑ Sidewalk Rehabilitation Programme ❑ Secondary roads upgrade programme. | <ul style="list-style-type: none"> ❑ Tarred Road Rehabilitation Programme ❑ Bridge Rehabilitation Programme |
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4. The replacement and reconstruction of infrastructure :

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| <ul style="list-style-type: none"> ❑ Replacement of obsolescent electricity prepayment meters. ❑ Replacement of the Mdantsane Zone 7,8, and 14 sewers ❑ Overhead power mains reconstruction and development. |
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5. The refurbishment and relining of infrastructure :

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| <ul style="list-style-type: none"> ❑ Refurbishment, upgrade and /or build sewage treatment facilities to service VIP effluent. ❑ Take-over, refurbish and upgrading of capacity of the DWAF Sewage Treatment Works to meet identified needs. ❑ Refurbishment of sewers where these are defective, i.e. along Eastern Beach, in Berlin Works and East Bank, and replace those beyond repair. ❑ Refurbishment and upgrade existing sewage treatment works to meet compliance standards when treating existing flows as well as flow from identified development. ❑ Relining of the Mdantsane Sewer Pipebridges. ❑ Reduce storm water ingress through repairs. ❑ Replacement of aged domestic water meters |
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20.8.4 NEW FACILITIES AND EQUIPMENT

1. The provision of new facilities :

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| <ul style="list-style-type: none"> ❑ Taxi facilities, railway interchange facilities and facilities for the disabled to improve access and pedestrian facilities (BCMET). ❑ New facilities for cemeteries at Mzamohe Development , Haven Hills, Phakamisa and Dimbaza. ❑ New facilities in EL and KWT for Environmental Services. ❑ Establishment of 11 waste transfer stations in Buffalo City ❑ Establishment of a civic centre | <ul style="list-style-type: none"> ❑ Fire stations in Gonubie, Berlin, Newlands, Bisho, Kaysers / Kidds Beach, Chalumna and KWT ❑ City police stations in Mdantsane, King William's Town, Beacon Bay, Chalumna ❑ KWT Telemetry Installation Substations ❑ Establishment of customer service centres. |
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2. The provision of new equipment :

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| <ul style="list-style-type: none"> ❑ Establish backup communications links and make modifications to exchange equipment concerning electricity. ❑ Backup radio systems and PEBX systems, as well as general electricity equipment, apparatus and meters. ❑ Specific equipment for safety and security: breathing apparatus, foam proportioners, portable lighting system, thermal imager, trapped person locator, defibrillator, furniture for training centre, two lecture rooms, vehicle and rubber duck for diving unit, replacement of rescue equipment, training aids and materials, repeater system for radios, hazmat equipment, video series for firefighters, three fire engines. ❑ Assure adequate and well-maintained tools and equipment to carry out routine maintenance for sewerage. ❑ Install telemetry radio at/in existing sewerage infrastructure to comply with new standards and ensure monitoring of all critical points, and upgrade existing telemetry radio system to comply with legislated standards. ❑ Purchase of additional vacuum tanker for sewerage or refurbish existing units to abate current shortages and to cater for increased demand to service current developments, as well as to serve new informal and rural settlements where VIP's are constructed. ❑ WBWS - Associated Works; sea water pump station, flushing tank and grit chamber at Sunnyridge. ❑ Maintenance vehicles for sewerage pump stations, with crane. ❑ Purchase of pollution monitoring equipment. ❑ Pollution laboratory instrumentation maintenance and renewal. |
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| <ul style="list-style-type: none"> ❑ Maintenance of existing health services as well as provision of new clinics |
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with services.

- ❑ New equipment in EL and KWT for Environmental Services.
- ❑ New vehicles and equipment for waste handling.
- ❑ Acquire suitable vehicles & boat for marine and coastal.
- ❑ Equipment required for effective water loss management

20.8.5 PROVISION OF SERVICES

1. The provision of various services :

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| ❑ Public transport services improvements. | ❑ New commercial and industrial supplies for electricity. |
| ❑ Services provided by environmental health: vector control service, day care inspectress/advisory service, noise control service and ensure work environments are healthy and safe. | ❑ Provide basic sanitation service (RDP standards) to informal and rural settlements in identified development nodes and corridors and extensions to existing schemes as well as to informal and rural settlements not in defined development nodes. |
| ❑ Provision of health care support services (X-ray, Pharmacy, Laboratories etc.). | ❑ Amatole bus operations - review and rationalisation of network and operations. |
| ❑ Adequate Primary Health Care focusing on HIV/AIDS. | ❑ Provision of basic water service to informal and rural settlements identified nodes and extensions to existing schemes in informal and rural areas |

20.8.6 PROJECTS AND PILOT PROJECTS

1. The implementation of specific projects :

- | | |
|--|---|
| ❑ High transmission areas project concerning HIV/AIDS (Peer Educator). | ❑ Development of composting projects at transfer stations within Buffalo City |
| ❑ Dam rehabilitation project. | ❑ New recreational parks in Zwelitsha and Dimbaza. |
| ❑ Dune rehabilitation project | ❑ Protection of nature reserves |

2. The implementation of pilot projects :

<input type="checkbox"/> Traffic safety pilot projects .	<input type="checkbox"/> Amatole bus operations upgrade: test operation of new type of service in EL.
<input type="checkbox"/> Decentralised public transport facilities (ranks) in Mdantsane, pilot bus service, and other public transport projects.	<input type="checkbox"/> Cycle and pedestrian pilot projects.
<input type="checkbox"/> TB/HIV pilot project.	<input type="checkbox"/> Prevention of mother to child transmission of HIV pilot project.
<input type="checkbox"/> Development of recycling projects and	<input type="checkbox"/> Investigation of groundwater as a water source for remote rural areas

20.8.7 MINOR WORKS

1. BCMET : Streetlights, guidance signs and traffic calming
2. Roads & stormwater minor works programme.
3. Clearance of sewer tracks and access roads for inspection and maintenance.
4. Construct silt traps in existing sewers to reduce sewer and pump station maintenance and operational costs.
5. Minor Pump Stations Maintenance
6. Fencing of legislated areas for natural environment

20.8.8 CONSTRUCTION OF INFRASTRUCTURE

2. Traffic infrastructure :

<input type="checkbox"/> N2 / Beacon Bay Off Ramp	<input type="checkbox"/> R102 / Mdantsane Access link
<input type="checkbox"/> N2 / Qumza Highway link	<input type="checkbox"/> Potsdam Village link
<input type="checkbox"/> West Bank IDZ - Chester Road	<input type="checkbox"/> Mt Ruth rail crossing
<input type="checkbox"/> Yellowwoods river bridge	<input type="checkbox"/> Park Avenue / Thorburn Terrace X town feeders
<input type="checkbox"/> Batting Bridge and approaches	<input type="checkbox"/> Lower Croydon Road
<input type="checkbox"/> Sleeper site road works	<input type="checkbox"/> Beaconhurst Drive ext. (Mzamomhle)
<input type="checkbox"/> Buffalo Crossing - Phase 1 (MAR to R72)	<input type="checkbox"/> Green Point / Settlers Way link
<input type="checkbox"/> Breidbach N2 interchange	<input type="checkbox"/> NWX to Amalinda Main Road.

3. Roads and stormwater infrastructure :

- Informal Settlement Access Roads
- Sweetwaters Road Construction (roads & stormwater).

4. Electricity infrastructure :

- | | |
|--|---|
| <input type="checkbox"/> Substations | <input type="checkbox"/> Switch houses |
| <input type="checkbox"/> Feeder cables | <input type="checkbox"/> Residential expansion and reconstruction |
| <input type="checkbox"/> Street lighting | <input type="checkbox"/> Festive lighting. |
| <input type="checkbox"/> Provision of electricity bulk supply substations. | |

5. Develop infrastructure in support of the IDZ.

6. Sewerage infrastructure :

- | | |
|---|--|
| <input type="checkbox"/> Pump stations | <input type="checkbox"/> Sewer connections for new developments |
| <input type="checkbox"/> New regional upper catchment sewage treatment works and associated bulk infrastructure | <input type="checkbox"/> Sewage treatment works |
| <input type="checkbox"/> Re-routing of flow at Central Treatment Works | <input type="checkbox"/> WBWS - Mvubukazi Interceptor |
| <input type="checkbox"/> Berlin sewer reticulation | <input type="checkbox"/> WBWS - inverted siphon |
| <input type="checkbox"/> New Sludge Lagoon and augmentation at Gonubie Treatment Works | <input type="checkbox"/> Spill alleviation including overflow tanks at Second Creek Pump Station |
| <input type="checkbox"/> WBWS - sea outfall | <input type="checkbox"/> Quenera interceptor and reticulation of the area. |

7. Water Infrastructure

- New storage Dam(s) and associated bulk conveyance infrastructure for BCM
- New reservoirs (sub-zone) in areas like Mdantsane
- New pump stations and rising mains for new housing developments

8. Waste cell construction and infrastructure and leachate treatment at East London regional waste site (Roundhill).

20.8.8 COMMERCIAL DEVELOPMENT PROJECTS

1. Business improvement district projects (BIDs).
2. Community Based Tourism Project: Arts and Craft Market (KWT - Bisho Corridor).
3. Tourism anchor project on the Marina Glen site.
4. Central beachfront revitalisation programme.
5. Pirie fish hatchery & hiking trails & trout fishing.
6. Multi-purpose Sports Centre on the Showground site, Amalinda.
7. Implementation of economic components: KWT-Bisho Development Corridor Plan, Sleeper Site and Signal Hill project, MELD Corridor Nodes.
8. Implementation of agricultural and economic components: Needs Camp Zone plan project and Yellowwoods/ Kei Road plan project.

20.8.9 HOUSING DEVELOPMENT

1. East London: 22 housing projects with a total of approximately 27 900 houses.
2. King William's Town: 10 housing projects with a total of approximately 7500 houses.
3. Rural Housing: 12 housing projects with a total of approximately 11 600 houses.