

Greater Tzaneen Municipality



Greenest Municipality winner

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1. INTRODUCTION AND BACKGROUND

- **Government as a Champion of sustainable development is also a signatory to conventions and treaties which promotes sustainable development and environmental conservation.**
- **As mandated by the Constitution:-**
 - **Local Government must promote a safe and healthy environment**
 - **To promote a safe and healthy environment Greater Tzaneen Municipality employ various environmental tools to achieve it**

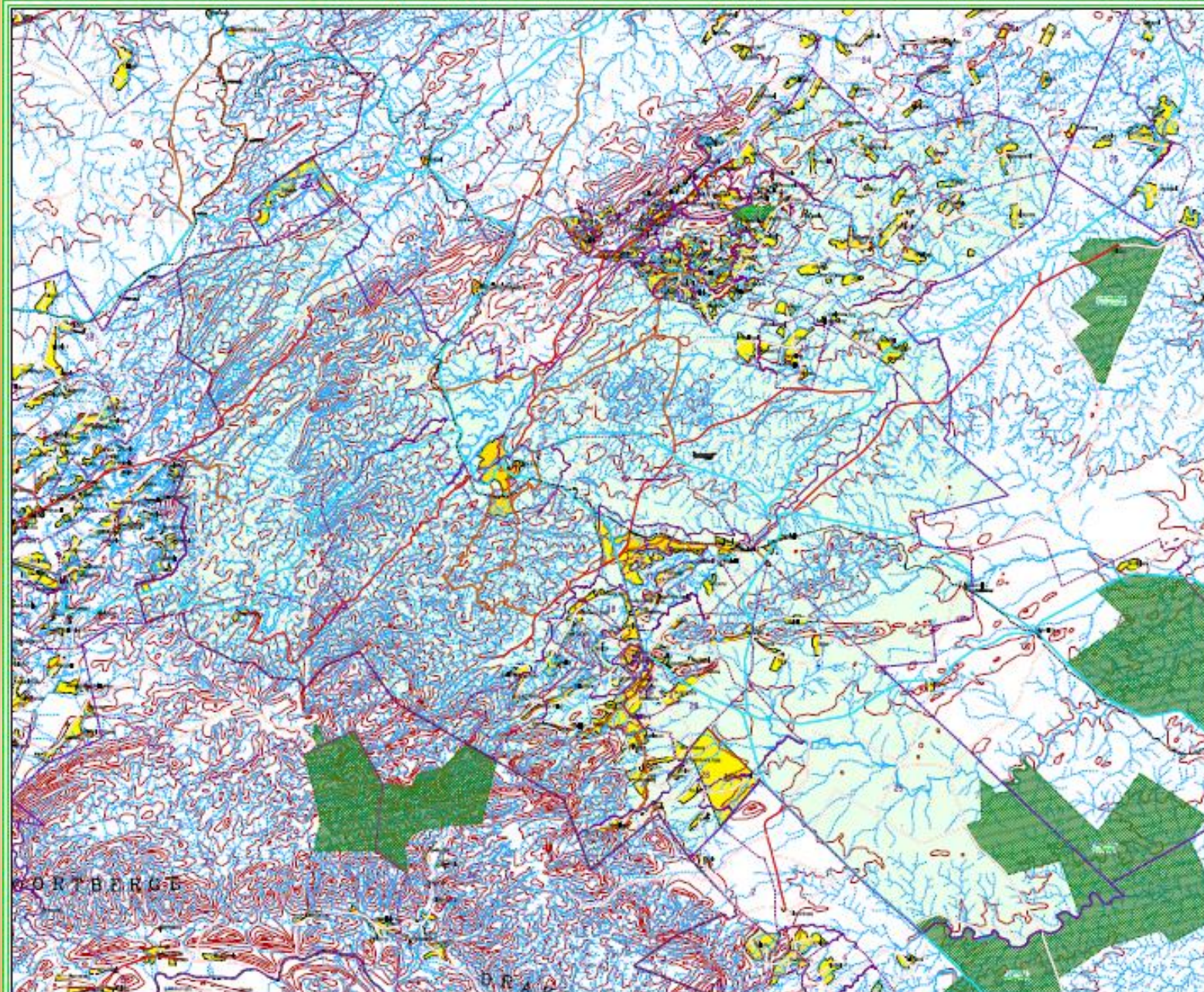


- G.T.M.`s participation in the G.M.C. serves as a **TOOL** to determine progress in delivering on this mandate. It also assist in delivering on this mandate
- GTM have won 2012/2013 District and Provincial
- We won 2013/2014 National Competition
- We further won the 2014/2015 District and Provincial Competition.
- Awaiting 2015/2016 District results



SPATIAL DEVELOPMENT FRAMEWORK BACKGROUND

- ❖ The SDF was first approved/ adopted by the municipality in 2005.
- ❖ Current document has been reviewed in 2008 as adopted by Council as required by the applicable legislation.
- ❖ Upon the promulgation of SPLUMA as new planning legislation the current SDF needed to be reviewed to comply-process underway.
- ❖ The impact of SPLUMA to the Municipalities with regards development application and decision making.
- ❖ Formulation of border to border land use schemes.



LIMPOPO

**GREATER TZANEEN
MUNICIPALITY**

LEGEND

BOUNDARIES

- International Boundary
- Provincial Boundary
- District Municipal Boundary
- Municipal Boundary
- Game Reserve Boundary
- Farm Subdivision Boundary
- Well Boundary

INFRASTRUCTURE

- National Road
- Provincial Road
- District Road
- Railway Line
- Power Line
- Air Field

REFERENCE

- Spot Height
- River / Dam
- Police Station
- Urban Area / Village
- Nature Reserve



Mapmaker & GIS CONSULTANTS



100% Digitized & Georeferenced
1:50,000 Scale Map (1:50,000)

July 2007

Challenges facing SDF

- **Economy- hindrances arising from:**
 - Restitution
 - Land ownership
 - Insufficient bulk infrastructure
 - Land-use management (legislations framework)
 - Spatial challenges (dispersed settlements)
 - Topography/ environmental sensitivity
 - Disparities urban and rural
 - Backlog on housing infrastructure
 - Informal settlements/tenure security
 - High unemployment

Waste Management

1. SCHOOL CLEAN-UP`S
 - a. School facilitate 4 x major clean-up`s per school area.



RE-USE @ R.W.M. DROP-OF-CENTRES (D.O.C.S)

1. RE-USE PROJECTS @ PRESENT BEING IMPLEMENTED



- a. Re-use of firewood from landfill
- b. The programme is based on an on-going school projects in different clusters & D.o.C.'s (DROP-OFF-CENTERS)

Cleanest School Competition (C.S.C.) @ R.W.M.awareness

1. The competition is conducted in the following categories:-
 - a. Primary Schools per cluster
 - i. 1 st prize
 - ii. 2 nd prize
 - iii. 3 rd prize
 - b. Secondary Schools per cluster
 - i. 1 st prize
 - ii. 2 nd prize
 - iii. 3 rd prize



SCHOOL SCORECARDS @ AWARENESS

Key Focus Area	Description	1 ST Audit	2 ND Audit	P.o.E.
Waste Minimization	<ol style="list-style-type: none"> 1. Re-use 2. Recycle 3. Composting 			
Collection & Transport	<ol style="list-style-type: none"> 1. D.o.C- Condition 2. Internal collection system 3. Recycling at source 			
Greening	<ol style="list-style-type: none"> 1. Deforestation project 2. Food garden project 3. E.I.A.-project 4. Alien plant control 			
Soil Conservation	<ol style="list-style-type: none"> 1. Land care & use 2. Clean-up in terrain 			
Air Quality	<ol style="list-style-type: none"> 1. Rotten food 2. Dead animals 3. Veldt fires 4. Burning of refuse 			
Projects	<ol style="list-style-type: none"> 1. On-Site-Waste-Plan 2. Clean up campaign x 4 p.a. 3. Awareness education :- <ol style="list-style-type: none"> i. Wise-up-on-Waste 			

COMPOSTING @ WASTE MINIMIZATION

1. Composting at Tzaneen Landfill site

- a. 1 x “LOW TECHNOLOGY” compost at the landfill site
- b. 2013-14 = 11,000 m³ raw material diverted to compost manufacturing
- c. Save ± 2000m³ airspace p.a.
- d. Savings = R 1,05 milj. p.a.



2. Regulation requires composting

- a. National Environmental Management: Waste Act 59/2008
 - i. Waste Classification & Management Regulations



Litterpicking @ collection & transportation....

1. Litterpicking

- a. Full service to all designated litterpicking-routes
 - i. 102 x Routes covering \pm 357 km of urban & public roads
- b. Achievement
 - i. Servicing of all designated routes in urban areas



LANDFILL-SITE

1. Landfill situated ± 4 x km's from Tzaneen
 - a. Size = 11 x ha
 - b. Airspace available = (\pm) 1,900,000 m³
 - c. Annual airspace utilized according to M.R.D.
 - i. 20,000 m³ for 2009-10
 - ii. 14,001 m³ for 2013-14
 - iii. **???? RECYCLING ????**
 - d. Expected lifespan = 20 x years
 - e. Fully permitted from 1/12/2004 as a G.M.B- site



LANDSCAPPING, TREE PLANTING AND BEAUTIFICATION

RITAVI RIVER

REHABILITATION

- To contribute towards the mitigation of climate change, we have embarked on a river rehabilitation programme. This entails a clean-up of the river, removal of alien invasive plants and planting of indigenous trees.
- Management of open spaces to improve the aesthetic and quality of the environment



Community park initiative

- CWP @ Bathlabine developed a park near Tribal offices and Bathlabine River.
- Due to lack of employment and to keep the youth busy while learning about the environment.



Community park initiative continues...

- They were assisted to identify indigenous trees that they must not clear and tagged.
- Application for funding to develop and upgrade parks was made to the Department of Environmental Affairs became unsuccessful but still pursuing funds.



Trees Planting in townships and schools

- 900 trees were distributed to schools since 2012.
- 120 trees were donated by the Department of Forestry Development Limpopo & Mopani District.



Trees planting challenges

- Water shortage
- Lack of fence at homes results in animals eating the trees
- Threatens the community- thugs hide



Municipal nurseries

- GTM have two nurseries i.e. in Tzaneen & Nkowankowa Parks premises.
- In these nurseries waste plant material from gardens are re-used to propagate more trees, shrubs & ground covers.
- These plants are planted in municipal gardens, used to for decorations & displays during events.
- Donated to schools during arbour week or given away on request.

Invader weed control at Thabina



Invader week control at Thabina and scholars listening to presentation



Cemetery Management

- GTM has 136 cemeteries
- There are family and tribal authorities graveyards.
- There are volunteers who assist with maintenance of rural and township cemeteries.



Sports, Arts and culture

- We give admin support to GTM Sport Confederation, SAFA and the Department of Sport Arts and Culture for sport development programmes.
- Coordinates community and municipal employees sport events.

Sport Facility Development

- On the 17/10/2015 the Indoor Sport Facility, Outdoor sport facility i.e. soccer X4 and net ball X3 and the 50 meters swimming pool will be officially opened.
- Facilities developed through NDGP –R29 mil
- Exploring PPP, but more info is still needed before implementation.
- Challenge is maintenance budget....

Sport Facility in C Section

Nkowankowa cont...



Challenges facing Parks Division

- Insufficient or lack of budget for capital projects.
- Lack of replacement of retired, promoted or late personnel.
- Protocol/ political differences

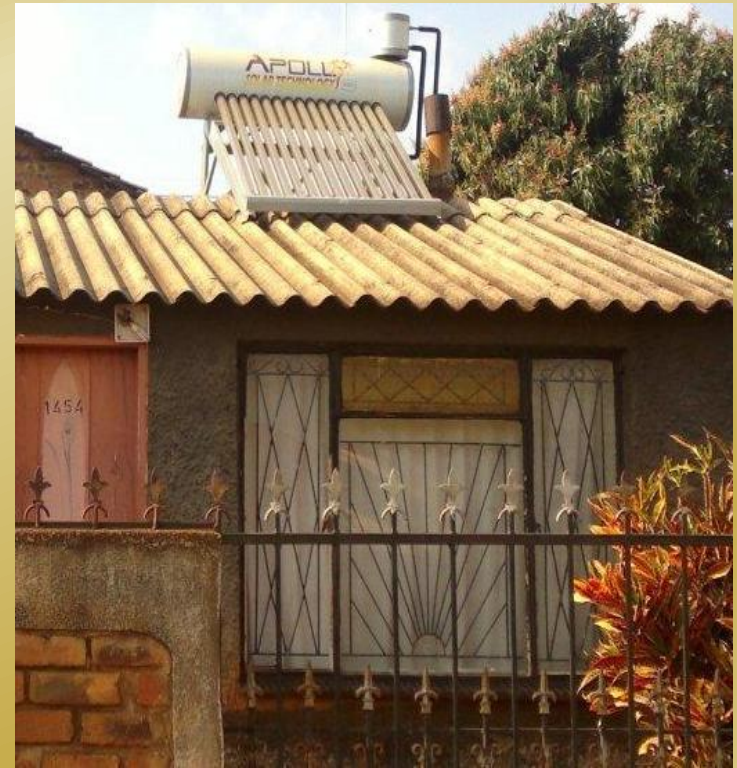
ENERGY EFFICIENCY AND CONSERVATION

1. GOING GREEN in the approval of plans we promote energy saving designs.
2. We have established an energy forum with the main aim of implementing the National Energy saving initiative.
3. Lenyenye and Nkowankowa high mast lights will be fitted with the LED lights which are far much better on electrical savings.



Energy Efficiency and Conservation.....

- ESKOM & GTM partnered to install solar geyser's in Lenyenye



WATER MANAGEMENT AND CONSERVATION

- **Water is known as scarce commodity.**
- **Our municipality is a proud holder of the Blue Drop Certificate 2012 Gold for Tzaneen and Letsitele systems**
- **Water Management is about protecting, development and efficient management of water resources for beneficial purposes.**



Blue Drop Certification

- Blue Drop Certificate 2010
- Blue Drop Certificate 2011
- Blue Drop Certificate :2012



Water Audits, (Leaking taps and repair mechanism

- Maintenance crew have a schedule to replace old distribution network especially those that are having high water loss.(this include calibration of bulk water meters)
- All illegal connections reported, are removed.



Use of Grey/Black Water

- It is well known that the use of grey water is encouraged and governed by Department of Water and Sanitation regulations.
- Tzaneen Sewage works irrigates its lawn by means of black water. This complies with Green Drop requirement.
- We also watered Lenyenye stadium with grey water



EDUCATION AND AWARENESS

Library Services: Creative programmes on recycling and the environment



CLEAN UP CAMPAIGN



BUDGET SUPPORT



1. Water, Sewerage and Plumbing Operational

- Water Network
✓ R41,674,711-00
- Water Purification
✓ R 6,302,343-00
- Sewerage Purification
✓ R 7,017,709-00

2. Disaster Management Operational

- Disaster Management:
✓ R 2,364,892-00

3. Environmental Management Operational

- Parks and Recreation
✓ R 23,656,933-00
- Environmental Health
✓ R 6,626,784-00

4. M.I.G. landfill grant

- P.M.U.-Capital
✓ R 0,00

5. TOTAL BUDGET

- *Operational = R 87,6 milj*
- *Capital = R0,00*
- *Total = R 87,6 milj*
- *% of budget = 10.5%*

CONCLUSION

1. Our desire is to remain a municipality which is a leader in Environmental management and a champion of best practice!

Inkomu

