

6. IMPLEMENTATION FRAMEWORK

6.1 IMPLEMENTATION

6.1.1 MUNICIPAL SDF POLICY/ PROJECT LIST

The following table of projects is compiled from the various projects from the SDF proposals:

No.	Policy /Projects Name/ Ref	Project / Policy Description	Cost Estimate (Rs)	Implementing Agent
SHORT TERM				
SDF 1	Urban Design and Landscaping Frameworks	Prepare detailed urban design and landscaping frameworks for settlements	R 400 000	Beaufort West Municipality and Consultants
SDF 2	Main Road Interface Guidelines Study	Prepare detailed Main Road Interface Guidelines Study for the Main Roads in the main settlements	R 400 000	Beaufort West Municipality and Consultants
SDF 3	Precinct Plans	Prepare precinct plans for all proposed urban nodes, new development areas larger than 5ha and future rural nodes.	R 300 000	Beaufort West Municipality
SDF 4	Public Transport Network	Implement the Central Karoo Rural Integrated Public Transport Network	To be determined	Central Karoo District Municipality, Beaufort West Municipality and Consultants
MEDIUM TERM				
SDF 5	Tourism Plan	Investigate adventure, eco- and agri- tourism opportunities and the development of existing tourism opportunities/facilities	R 400 000	Beaufort West Municipality, Department of Economic Development and Tourism and Consultants
SDF 6	Land Reform: Development plans for commonages	Development plans to indicate which commonage land should be conserved and where agriculture can occur.	R 200 000	Beaufort West Municipality Department of Rural Development and Land Reform
SDF 7	Renewable Technologies Strategy	Prepare a municipal renewable technology strategy focusing on implementation options for water management and energy generation in projects and developments	R 250 000	Beaufort West Municipality
SDF 8	Scenic tourism routes policy	Study to be prepared for the management and promotion of Scenic Tourism Routes	R 300 000	Beaufort West Municipality
SDF 9	Signage Policy	Preparation of a Signage Policy	R 500 000	Beaufort West Municipality and Consultants

No.	Policy /Projects Name/ Ref	Project / Policy Description	Cost Estimate (Rs)	Implementing Agent
SDF 10	Feasibility Study Multi Purpose Centre	Prepare a feasibility study for a Multi Purpose Centre (community hall / resource centre) as a social upliftment initiative project in Merweville	R 500 000	Beaufort West Municipality and Consultants
SDF 11	Destination Marketing Plan	Develop a destination a marketing plan	R 350 000	Beaufort West Municipality Department of Economic Development and Tourism
LONG TERM				
SDF 12	Cross Border Tourism Plan	Prepare a cross-boarder tourism plan with the neighbouring Central Karoo District Municipality, i.e. Karoo Hoogland Local Municipality, Laingsburg Local Municipality and Prince Albert Local Municipality	R 500 000	Beaufort West Municipality and Consultants
SDF 13	Fracking & Environmental Information Centre	Establish a fracking & environmental centre to inform public about fracking and environmental issues	R 400 000	Central Karoo District Municipality, Beaufort West Municipality
SDF 14	Aviation School feasibility Study	Prepare Feasibility Study for the establishment of a world class Aviation School	R 400 000	Beaufort West Municipality Department of Economic Development and Tourism
SDF 15	Gariep Dam	Prepare a Feasibility study for drawings water from the Gariep Dam	R 350 000	Beaufort West Municipality and Consultants

Table 6.1.1 Municipal SDF Policy / Project List

6.1.2 MUNICIPAL IDP POLICY/ PROJECT LIST

The following table of projects is compiled from the various projects from the IDP 2012-2017.

No.	Policy /Projects Name/ Ref	Project / Policy Description	Project Location	Cost Estimate (Rs)	Implementing Agent
IDP 1	Pressure release valves	Water reticulation	Municipal	R 600 000	Beaufort West Municipality
IDP 2	Pressure release valves	Water reticulation	Municipal	R 1 400 000	Beaufort West Municipality
IDP 3	New Water Reservoir	Water reticulation	Municipal	R 1 000 000	Beaufort West Municipality
IDP 4	Upgrading existing WWTWs	Improve Waste Water reticulation	Beaufort West	R 8 000 000	Beaufort West Municipality
IDP 5	Upgrading existing WWTWs	Improve Waste Water reticulation	Beaufort West	R 5 000 000	Beaufort West Municipality
IDP 6	New prepaid water meters Phase 1 – Prince Valley	Water reticulation	Beaufort West	R 1 000 000	Beaufort West Municipality
IDP 7	Realign bulk water – Rustdene	Water reticulation	Beaufort West	R 636 690	Beaufort West Municipality
IDP 8	New Sewerage Pipeline, Buitekant Street	Improve Waste Water reticulation	Beaufort West	R 500 000	Beaufort West Municipality
IDP 9	Investigation of WWTW	Improve Waste Water reticulation	Murraysburg	R 500 000	Beaufort West Municipality
IDP 10	Upgrading of WWTW	Improve Waste Water reticulation	Murraysburg	R 6 000 000	Beaufort West Municipality
IDP 11	Upgrade Water Supply	Water reticulation	Murraysburg	R 1 400 000	Beaufort West Municipality
IDP 12	Bulk water supply	Water reticulation	Nelspoort	R 2 602 038	Beaufort West Municipality
IDP 13	Upgrading of WWTW	Improve Waste Water reticulation	Nelspoort	R 2 000 000	Beaufort West Municipality
IDP 14	Bulk Water supply	Water reticulation	Nelspoort	R 1 314 512	Beaufort West Municipality
IDP 15	Upgrading of Rustdene sport facilities	Improvements to sports facilities	Beaufort West	R 350 000	Beaufort West Municipality
IDP 16	Upgrading Rustdene sport field	Improvements to sports facilities	Beaufort West	R 1 000 000	Beaufort West Municipality
IDP 17	Upgrading of Voortrekker Street tennis courts	Improvements to sports facilities	Beaufort West	R 500 000	Beaufort West Municipality
IDP 18	Upgrading of Kwa-Mandlenkosi sport field	Improvements to sports facilities	Beaufort West	R 3 000 000	Beaufort West Municipality
IDP 19	Upgrading town rugby field	Improvements to sports facilities	Beaufort West	R 3 000 000	Beaufort West Municipality
IDP 20	Kwa-Mandlenkosi – neighbourhood development	Improvements to sports facilities	Beaufort West	R 5 500 000	Beaufort West Municipality
IDP 21	Prince Valley: Community Hall	Provision of Community Hall	Beaufort West	R 10 000 000	Beaufort West Municipality
IDP 22	Hillside II: Community Hall	Provision of Community Hall	Beaufort West	R 10 000 000	Beaufort West Municipality
IDP 23	One administration office B/West	Provision of administrative office	Beaufort West	R 200 000 000	Beaufort West Municipality
IDP 24	One Stop Youth Centre: Kwa-Mandlenkosi	Provision of Community Facilities	Beaufort West	R 15 000 000	Beaufort West Municipality
IDP 25	Maintenance of buildings and community facilities	Upgrades to Community Facilities	Beaufort West	R 19 000 000	Beaufort West Municipality
IDP 26	Upgrading of sport field	Improvements to sports facilities	Merweville	R 3 000 000	Beaufort West Municipality

No.	Policy /Projects Name/ Ref	Project / Policy Description	Project Location	Cost Estimate (Rs)	Implementing Agent
IDP 27	Community Hall	Provision of Community Hall	Merweville	R 10 000 000	Beaufort West Municipality
IDP 28	Maintenance of buildings and community facilities	Improvements to community facilities	Merweville	R 6 000 000	Beaufort West Municipality
IDP 29	Upgrading sports field	Improvements to sports facilities	Nelspoort	R 3 000 000	Beaufort West Municipality
IDP 30	Maintenance of buildings and community facilities	Improvements to community facilities	Nelspoort	R 8 000 000	Beaufort West Municipality
IDP 31	Maintenance of buildings and community facilities	Improvements to community facilities	Murraysburg	R 7 000 000	Beaufort West Municipality
IDP 32	Development of Aquifers	Water reticulation and provision	Municipal	R 10 000 000	Beaufort West Municipality
IDP 33	Upgrading of existing pump stations	Improve Waste Water reticulation	Municipal	R 4 500 000	Beaufort West Municipality
IDP 34	Upgrade a water network	Water reticulation	Municipal	R 2 000 000	Beaufort West Municipality
IDP 35	Installation of Archimedean Screw Pump	Improve Waste Water reticulation	Beaufort West	R 500 000	Beaufort West Municipality
IDP 36	Upgrading of existing chlorination room	Improve Water reticulation	Beaufort West	R 100 000	Beaufort West Municipality
IDP 37	Upgrading of existing Telemetry System	Improve Waste Water reticulation	Beaufort West	R 400 000	Beaufort West Municipality
IDP 38	Upgrade of fencing at Beaufort West WWTWs	Improve Waste Water reticulation	Beaufort West	R 250 000	Beaufort West Municipality
IDP 39	Repair of existing Aeration Basin	Improve Waste Water reticulation	Beaufort West	R350 000	Beaufort West Municipality
IDP 40	Investigation of WWTWs	Increase capacity of WWTWs	Nelspoort	R 100 000	Beaufort West Municipality
IDP 41	Retention dams	Provision of Retention Dams	Municipal	R 5 000 000	Beaufort West Municipality
IDP 42	Gravel roads	Improvement to road infrastructure	Municipal	R 18 000 000	Beaufort West Municipality
IDP 43	Storm Water N1	Improvements to storm water infrastructure	Municipal	R 5 000 000	Beaufort West Municipality
IDP 44	Rehabilitate gravel roads – Phase II	Improvement to road infrastructure	Municipal	R 1 258 509	Beaufort West Municipality
IDP 45	Roads Kwa-Mandlenkosi	Improvement to road infrastructure	Beaufort West	R 843 396	Beaufort West Municipality
IDP 46	Rehabilitate gravel roads Kwa-Mandlenkosi	Improvement to road infrastructure	Beaufort West	R 2 494 916	Beaufort West Municipality
IDP 47	Storm water retention dam – Hillside II	Improvements to storm water infrastructure	Beaufort West	R 4 426 294	Beaufort West Municipality
IDP 48	New storm water channel – Hillside II	Improvements to storm water infrastructure	Beaufort West	R 77 265	Beaufort West Municipality
IDP 49	Rehabilitate gravel roads - Rustdene	Improvement to road infrastructure	Beaufort West	R 360 000	Beaufort West Municipality
IDP 50	Rehabilitate gravel roads – Hillside II	Improvement to road infrastructure	Beaufort West	R 6 176 482	Beaufort West Municipality
IDP 51	Upgrade gravel roads	Improvement to road infrastructure	Beaufort West	R 2 463 406	Beaufort West Municipality
IDP 52	Rehabilitate gravel roads	Improvement to road infrastructure	Beaufort West	R 9 000 000	Beaufort West Municipality
IDP 53	Rehab roads and storm water	Improvement to road and storm water infrastructure	Murraysburg	R 3 400 000	Beaufort West Municipality
IDP 54	Rehabilitate gravel roads	Improvement to road infrastructure	Murraysburg	R 6 170 195	Beaufort West Municipality
IDP 55	Storm water	Improvements to storm water infrastructure	Murraysburg	R 1 620 000	Beaufort West Municipality

No.	Policy /Projects Name/ Ref	Project / Policy Description	Project Location	Cost Estimate (Rs)	Implementing Agent
IDP 56	Upgrade gravel roads	Improvement to road infrastructure	Murraysburg	T 3 972 545	Beaufort West Municipality
IDP 57	Consolidation project: 95 units Kwa-Mandlenkosi	Housing provision	Municipal	R 7 403 170	Beaufort West Municipality
IDP 58	Emergency housing: Upgrade 10 houses damaged by fire or other natural causes	Housing provision	Municipal	R 750 000	Beaufort West Municipality
IDP 59	Greening Project	Housing provision	Municipal	R 3 500 000	Beaufort West Municipality
IDP 60	Material Recovery Facility (Waste Recycling)	Improvements to solid waste infrastructure	Municipal	R 800 000	Beaufort West Municipality
IDP 61	XHOXHA – 65 units	Housing provision	Municipal	R 6 500 000	Beaufort West Municipality
IDP 62	Planned: New Housing Development	Housing provision	Municipal	R 40 000 000	Beaufort West Municipality
IDP 63	GAP Housing +/- 200 Units	Housing provision	Municipal	R 90 000 000	Beaufort West Municipality
IDP 64	RDP Housing 100 units	Housing provision	Murraysburg	R 6 800 000	Beaufort West Municipality
IDP 65	RDP Housing 50 units	Housing provision	Merweville	R 3 400 000	Beaufort West Municipality
IDP 66	RDP Housing 50 units	Housing provision	Nelspoort	R 3 400 000	Beaufort West Municipality
IDP 67	132kV Substation	Improvements to electrical network supply	Municipal	R 9 400 000	Beaufort West Municipality
IDP 68	Electrification Central Karoo	Improvements to electrical network supply	Municipal	R 12 000 000	Beaufort West Municipality
IDP 69	Housing electrification 367 erven	Improvements to electrical network supply	Municipal	R 4 500 000	Beaufort West Municipality
IDP 70	Upgrading main substation 22/11kV	Improvements to electrical network supply	Municipal	R 5 000 000	Beaufort West Municipality
IDP 71	Load control 132/22kV Substation	Improvements to electrical network supply	Municipal	R 5 000 000	Beaufort West Municipality
IDP 72	11kV Network new Industrial area	Improvements to electrical network supply	Municipal	R 2 000 000	Beaufort West Municipality
IDP 73	Auto Recloser 11kV Plotte	Improvements to electrical network supply	Municipal	R 250 000	Beaufort West Municipality
IDP 74	Isolator and Switchgear 22kV lines	Improvements to electrical network supply	Municipal	R 250 000	Beaufort West Municipality
IDP 75	Telemetrie 11kV Substations	Improvements to electrical network supply	Municipal	R 1 000 000	Beaufort West Municipality
IDP 76	High mast lighting Hooylvlakte	Improvements to electrical network supply	Beaufort West	R 501 600	Beaufort West Municipality
IDP 77	Upgrading 11kV Switchgear Beaufort West	Improvements to electrical network supply	Beaufort West	R 15 000 000	Beaufort West Municipality
IDP 78	Upgrading 11kV Switchgear Rustdene	Improvements to electrical network supply	Beaufort West	R 30 000 000	Beaufort West Municipality
IDP 79	Upgrading 11kV Switchgear Kwa-Mandlenkosi	Improvements to electrical network supply	Beaufort West	R 5 000 000	Beaufort West Municipality
IDP 80	Upgrading overhead lines Rustdene	Improvements to electrical network supply	Beaufort West	R 1 000 000	Beaufort West Municipality
IDP 81	Upgrading overhead lines Hillside	Improvements to electrical network supply	Beaufort West	R 3 000 000	Beaufort West Municipality
IDP 82	Upgrading overhead lines Beaufort West	Improvements to electrical network supply	Beaufort West	R 1 000 000	Beaufort West Municipality
IDP 83	Upgrading mini substation Bastiaanse school	Improvements to electrical network supply	Beaufort West	R 650 000	Beaufort West Municipality
IDP 84	Upgrading mini substation Botha Street	Improvements to electrical network supply	Beaufort West	R 650 000	Beaufort West Municipality

No.	Policy /Projects Name/ Ref	Project / Policy Description	Project Location	Cost Estimate (Rs)	Implementing Agent
IDP 85	Upgrading transformer Truter substation	Improvements to electrical network supply	Beaufort West	R 350 000	Beaufort West Municipality
IDP 86	Flood lighting sport ground Rustdene	Improvements to electrical network supply	Beaufort West	R 1 200 000	Beaufort West Municipality
IDP 87	Flood lighting sport ground Rugby field	Improvements to electrical network supply	Beaufort West	R 1 200 000	Beaufort West Municipality
IDP 88	High mast lighting Rustdene	Improvements to electrical network supply	Beaufort West	R 1 381 862	Beaufort West Municipality
IDP 89	High mast lighting Hillside I	Improvements to electrical network supply	Beaufort West	R 552 745	Beaufort West Municipality
IDP 90	High mast lighting Hillside II	Improvements to electrical network supply	Beaufort West	R 276 372	Beaufort West Municipality
IDP 91	High mast lighting	Improvements to electrical network supply	Murraysburg	R 552 745	Beaufort West Municipality
IDP 92	Upgrading electrical network	Improvements to electrical network supply	Murraysburg	R 700 000	Beaufort West Municipality
IDP 93	High mast lighting	Improvements to electrical network supply	Merweville	R 829 117	Beaufort West Municipality
IDP 94	Flood lighting sport ground	Improvements to sports facilities	Merweville	R 1 200 000	Beaufort West Municipality
IDP 95	High mast lighting	Improvements to electrical network supply	Merweville	R 250 800	Beaufort West Municipality
IDP 96	Flood lighting sport ground	Improvements to sports facilities	Nelspoort	R 1 200 000	Beaufort West Municipality
IDP 97	Nelspoort Rock Art Site Development	Provision of tourist sites	Nelspoort	R 289 000	Beaufort West Municipality
IDP 98	Upgrading of Cemeteries	Improvement to infrastructure	Municipal	R 500 000	Beaufort West Municipality
IDP 99	Upgrading of morgue	Improvement to infrastructure	Merweville	R 250 000	Beaufort West Municipality

Table 6.1.2 Municipal IDP Policy / Project List

6.1.3 MUNICIPAL POLICY / PROJECT PRIORITISATION

The SDF and IDP projects as per section 6.1.1 and 6.1.2 are to be prioritized by the relevant Council Officials and Ward Committees as part of the IDP process.

Project Priority No.	Proposal No.	Policy /Projects Name/ Ref	Project / Policy Description	Cost Est. (Rs)	Rating Matrix (5: most important, 1: least important)														Total
					Alignment			Sustainability					Project Implementation				Improves Settlement Restructuring		
					NSDP	FS-PSDF	District SDF	Improves Employment	Improves Economic Empowerment	Improves Economic Diversification	Improves Empowerment	Positive Environmental Impact	Critical Path for other projects	Cost of Impl.	Ease of Impl.	Improves Access to Infrastructure			
1	SDF 15																		
2	SDF 7																		
3	SDF 16																		
4	SDF 3																		
5	SDF 6																		
6	SDF 2																		
7	SDF 5																		
8	IDP 2																		
9	IDP 14																		
10	SDF 18																		

Table 6.1.3 **Municipal Policy / Project Prioritisation**

6.2 MONITORING AND REVISION FRAMEWORK

Phase 7 of reviewing the SDF, Monitoring and Evaluation, will only occur after the SDF is approved. It should take place as follows:

6.2.1 REVIEW PROGRESS IN IDP

The annual review of the IDP should include a review of progress on the policy amendments and project implementation of the SDF according to the priority listings and expenditure programs of the various sector departments' budgets.

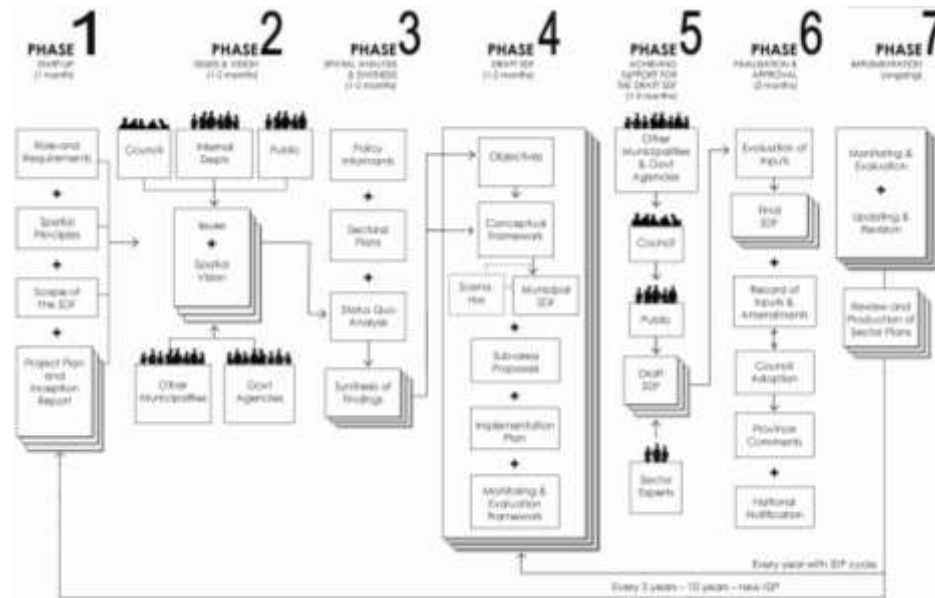


Figure 6.2.1 Phases in the process of completing and SDF (source: CNDV, 2010)

Figure 6.2.1 above shows that after the completion of the SDF in Phase 6, the SDF will be implemented through the various sectoral plans during Phase 7, see Figure 6.2.2. During this phase the implementation of the SDF should be monitored on at least a 2 month basis by the IDP's annual reporting on the progress of the various implementation/ sectoral plans. This review should also comment on the SDF. This is shown in Figure 6.2.1.

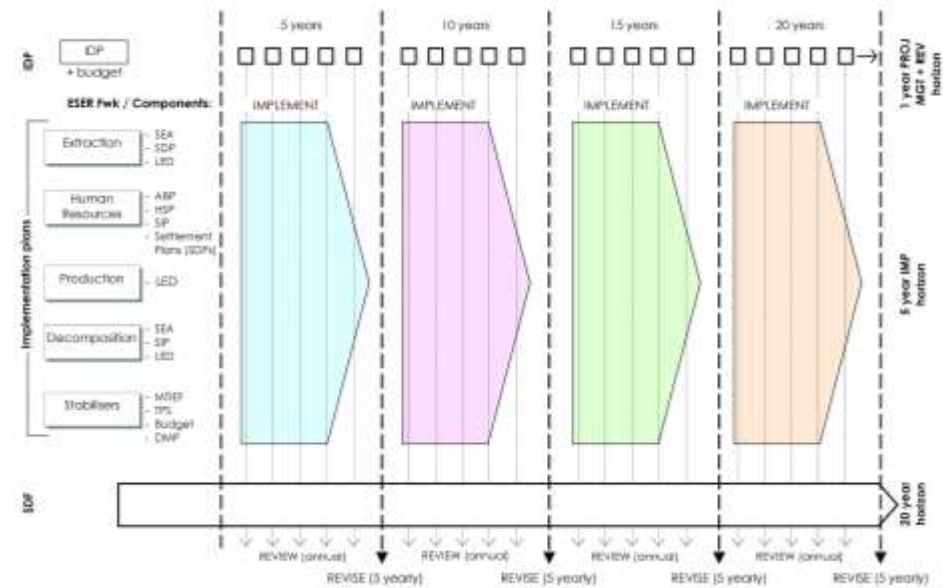


Figure 6.2.2 Proposed Relationship between IDPs, Implementation Plans, including HSPs and SDFs (source: CNDV, 2010)

Figure 6.2.2 further shows that the SDF is the common spatial base on which all the implementation plans should be executed.

Figure 6.2.2 also shows that the SDF should be revised and updated at least every each 5 years in parallel with the IDP and Implementation Plans. Ideally, the Sector Implementation Plans and the IDP should start and end on the same 5 year cycle.

Although the SDF is reviewed every year in the IDP and is revised every 5 years it needs to take a longer term view. The SDF should take a 20 to 30 year perspective on the growth direction of a municipality and settlements. It will be the only plan in the municipality taking such a long term view.

6.2.2 PROJECTS/ POLICIES TO BE REPORTED IN THE IDP

The following table of projects is an example of a monitoring / progress report through which the projects can be monitored. This table should be completed indicating each policy or project and reported in each year's IDP.

Project / Policy		Progress	Quality	Econ	Eng	B...	Comments						
							Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
SDF 7	Street trader policy												
SDF 3	Enlarged Conservation Areas												
SDF 6	Detailed Public Open Space and Densification Policy												
SDF 2	Tourism Plan												
SDF 5	Renewable Technologies Strategy												
IDP 14	Infrastructure - Sewerage												
SDF 4	Mining Rehabilitation												
IDP 6	Infrastructure - Water												
SDF 1	Urban Design and Landscaping Frameworks												
IDP 12	Infrastructure - Sewerage												
IDP 7	Infrastructure - Facilities												
IDP 10	Infrastructure – Solid Waste												
SDF 7	Street trader policy												
SDF 3	Enlarged Conservation Areas												
SDF 6	Detailed Public Open Space and Densification Policy												
SDF 2	Tourism Plan												

Table 6.2.2 Projects Evaluation and Report Framework

6.3 CONFIGURE SECTOR PLANS

The sector plans should contain the SDF plans for the municipality and two urban centres as their primary spatial informant.

They should take the SDF proposals into account as follows (see facing page as well):

MUNICIPAL SDF	WASTE MANAGEMENT (DWA)	WATER SERVICES (DWA)	HOUSING SECTOR (Human Settlements)	SERVICES AND INFRASTRUCTURE
SPCs				
Core: <ul style="list-style-type: none"> Wetlands Rivers systems 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Ensure protection of ecological corridors around wetlands and rivers 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Minimize disturbance of protected areas by infrastructure crossings and alignments and efficient quality.
Buffer: (Extensive Agriculture)	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A
Intensive agriculture: 1. Irrigation Scheme	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Encourage water demand management and enhanced irrigation efficiencies Monitor water quality Promote bio-farming and other techniques to reduce nutrient loads in hydrological systems Supply water rights for land reform projects 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Ensure balance between water supply infrastructure for agriculture and urban development
2. Dryland and Borehole Crop Farming	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Monitor borehole abstraction water and ground water levels and recharge rates 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A
3. Commonage	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Provide irrigation for small scale crop farming on commonage 	<ul style="list-style-type: none"> No residential accommodation to be provided on commonage 	<ul style="list-style-type: none"> Supply irrigation infrastructure to crop farming on commonage
Urban development:				

Table 6.3.1 SDF Relationship with Sector Plans

PUBLIC TRANSPORT AND NMT (Dept of Transport)	ENVIRONMENTAL MANAGEMENT (Dept of Environment) Dept of Agriculture	LAND REFORM (Dept Rural Development & Land Reform)	DISASTER MANAGEMENT
<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Ensure protection of ecological corridors around wetlands and rivers 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A
<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Promote veld rehabilitation and rotational grazing to enhance bio-diversity 	<ul style="list-style-type: none"> Ensure livestock farming does not damage bio-diversity through poor grazing methods 	<ul style="list-style-type: none"> Ensure adequate fire protection and burn management
<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Monitor water quality Promote bio-farming Ensure water 	<ul style="list-style-type: none"> Ensure water rights for land reform projects 	<ul style="list-style-type: none"> N/A
<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Monitor borehole abstraction water and ground water levels and recharge rates Provide extension services to emerging farmers 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A
<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Promote bio-farming on commonage Provide extension services to emerging farmers 	<ul style="list-style-type: none"> Promote bio-farming on commonage Draw up commonage development plan 	<ul style="list-style-type: none"> N/A

PROPOSALS	WASTE MANAGEMENT (DWA)	WATER SERVICES (DWA)	HOUSING SECTOR (Human Settlements)	SERVICES AND INFRASTRUCTURE
<ul style="list-style-type: none"> Intensification Areas 	<ul style="list-style-type: none"> Ensure sufficient supply Transfer stations to be accessibly located in corridors 	<ul style="list-style-type: none"> Ensure sufficient supply 	<ul style="list-style-type: none"> Promote higher density mixed use housing within the intensification area boundaries 	<ul style="list-style-type: none"> Ensure sufficient infrastructure to support higher levels of development
<ul style="list-style-type: none"> General 	<ul style="list-style-type: none"> Promote waste separation at source throughout urban settlements 	<ul style="list-style-type: none"> Promote rainwater harvesting and grey water recycling 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A
<ul style="list-style-type: none"> Residential 	<ul style="list-style-type: none"> Promote waste separation at source throughout urban settlements 	<ul style="list-style-type: none"> Ensure access to basic water and sanitation Allow for communal service centres to address health issues for non-qualifiers 	<ul style="list-style-type: none"> All projects to include range of housing, laid out according to socio-economic gradient 	<ul style="list-style-type: none"> Provide minimum basic services to proposed new housing areas
<ul style="list-style-type: none"> Industrial 	<ul style="list-style-type: none"> Industrial and toxic waste to be properly managed and disposed of 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Ensure infrastructure in serviced but undeveloped residential areas properly maintained
<ul style="list-style-type: none"> Community facilities 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Include proposals for necessary community facilities into Human Settlement Plans (HSP) 	<ul style="list-style-type: none"> N/A
<ul style="list-style-type: none"> Recreational areas 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Include proposals for recreational areas into HSP Housing layouts to face onto recreational areas and not turn their back 	<ul style="list-style-type: none"> N/A
<ul style="list-style-type: none"> Ecological corridors 	<ul style="list-style-type: none"> Landfill sites can be located in ecological corridors providing they are managed to best practice standards 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Include proposals for recreational areas into HSP Housing layouts to face onto recreational areas and not turn their back 	<ul style="list-style-type: none"> Where possible services and infrastructure alignments should not disrupt river channels and wetlands

Table 6.3.1 SDF Relationship with Sector Plans cont.

PUBLIC TRANSPORT AND NMT (Dept of Transport)	ENVIRONMENTAL MANAGEMENT (Dept of Environment) Dept of Agriculture	LAND REFORM (Dept Rural Development & Land Reform)	DISASTER MANAGEMENT
Provide road network to <ul style="list-style-type: none"> • commonage farms and promote • animal traction, cycling and • walking Main routes / spines through <ul style="list-style-type: none"> • development corridors to be • designed with cycle lanes and • pedestrian footways Should be declared public <ul style="list-style-type: none"> • transport routes (with embayments etc.) 	<ul style="list-style-type: none"> • Promote indigenous or fruit trees for use in the landscaping of development corridors 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A
Urban settlements should be <ul style="list-style-type: none"> • designed to minimize the need to travel and avoid costs of public • transport 	<ul style="list-style-type: none"> • Promote integrated stormwater design including the use of permeable paving and swales in urban development areas 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Ensure residential development not located below 1:50 floodlines
Ensure high densities of urban <ul style="list-style-type: none"> • development coincide with main • non-motorised routes 	<ul style="list-style-type: none"> • Promote off-grid sustainable technologies and passive building design 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Ensure adequate fire protection: • Building setbacks • Electrical compliance • Careful use of combustible materials
Ensure industrial areas provided with <ul style="list-style-type: none"> • cycle and pedestrian routes 	<ul style="list-style-type: none"> • Industrial and toxic waste to property managed and disposed of 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A
Community facilities should be <ul style="list-style-type: none"> • located on public transport and • NMT routes to promote • convenience and security 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A
Non-motorised transport networks <ul style="list-style-type: none"> • should pass through recreational • areas 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A
Non-motorised transport networks <ul style="list-style-type: none"> • should pass through ecological • corridor areas 	<ul style="list-style-type: none"> • Ensure continuity between connected rural and urban ecological corridor areas • Provide highest level of protection in ecological corridor areas 	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • N/A