

Measurable performance objectives and indicators

Chapter 5



Drinking water quality and waste water management

Name of Water Service Authority

City of Johannesburg Metropolitan Municipality.

Name of Water Service Provider

Johannesburg Water (Pty) Ltd.

Blue Drop Status

In the 2009 and 2010 assessments, City of Johannesburg and its water service provider Johannesburg Water (Pty) Ltd attained 100% and 99% respectively and were accordingly awarded Blue Drop status.

Green Drop Status

The City of Johannesburg and its water service provider Johannesburg Water (Pty) Ltd have been awarded the Green Drop certification respectively for the 2009 year, the results for the 2010 assessments are still pending.

Johannesburg Water (Pty) Ltd has a Water Safety Plan in place and the plan was independently assessed by the International Water Association (IWA) against an international assessment model. There were no high-risk problems identified.

There are no problems experienced in the management of drinking water and the water continuously complies with the Drinking Water Standard: SANS 241. The 2010/11 operating budget of Johannesburg Water (Pty) Ltd includes an amount of approximately R9.1 million for drinking water monitoring and R14.4 million for waste water monitoring.

GT001 City Of Johannesburg - Supporting Table SA8 Performance indicators and benchmarks

Description of financial indicator	Basis of calculation	2006/7	2007/8	2008/9	Current Year 2009/10		2010/11 medium term Revenue & Expenditure Forecasts		
		Audited Outcome	Audited Outcome	Audited Outcome	Original Budget	Adjusted Budget	Budget Year 2010/11	Budget Year +1 2011/12	Budget Year +2 2012/13
<u>Borrowing Management</u>									
Borrowing to Asset Ratio	Total Long-Term Borrowing/Total Assets	21.7%	21.7%	22.9%	27.5%	24.6%	25.6%	23.7%	25.2%
Credit Rating		A	A+	AA-	AA-	AA-			
Capital Charges to Operating Expenditure	Interest & Principal Paid /Operating Expenditure	5.8%	7.1%	7.3%	10.9%	11.3%	6.7%	6.3%	8.9%
Borrowed funding of 'own' capital expenditure	Borrowing/Capital expenditure excl. transfers and grants and contributions	0.0%	66.3%	67.3%	65.9%	70.0%	76.8%	84.5%	89.2%
<u>Safety of Capital</u>									
Debt to Equity	Loans, Creditors, Overdraft & Tax Provision/ Funds & Reserves	99.1%	97.7%	104.5%	97.0%	96.8%	94.0%	89.3%	86.3%
<u>Liquidity</u>									
Current Ratio	Current assets/current liabilities	0.8	0.8	0.7	0.8	0.6	0.8	1.0	1.2
Current Ratio adjusted for aged debtors	Current assets less debtors > 90 days/current liabilities	0.8	0.8	0.7	0.8	0.6	0.8	1.0	1.2
Liquidity Ratio	Monetary Assets/Current Liabilities	0.3	0.2	0.1	0.1	0.1	0.2	0.3	0.5
<u>Revenue Management</u>									
Annual Debtors Collection Rate (Payment Level %)	Last 12 Mths Receipts/Last 12 Mths Billing		102.9%	91.3%	93.7%	93.5%	93.3%	93.6%	93.5%
Outstanding Debtors to Revenue	Total Outstanding Debtors to Annual Revenue	17.5%	25.6%	25.1%	17.1%	18.5%	17.7%	20.5%	17.3%
<u>Other Indicators</u>									
Electricity Distribution Losses (2)	% Volume (units purchased and generated less units sold)/units purchased and generated		12.0%	12.0%	12.0%	12.0%	12.0%	12.0%	11.0%
Water Distribution Losses (2)	% Volume (units purchased and own source less units sold)/Total units purchased and own source		31.4%	33.6%	31.0%	31.0%	29.0%	27.0%	25.0%
Employee costs	Employee costs/(Total Revenue - capital revenue)	24.5%	26.4%	27.2%	25.1%	25.5%	24.3%	23.6%	22.6%
Remuneration	Total remuneration/(Total Revenue - capital revenue)	24.9%	26.8%	27.6%	25.4%	25.9%	24.6%	24.0%	22.9%
Repairs & Maintenance	R&M/(Total Revenue excluding capital revenue)	1.6%	2.4%	2.2%	7.0%	6.6%	7.4%	8.0%	8.5%
Finance charges & Depreciation	FC&D/(Total Revenue - capital revenue)	10.8%	11.2%	10.4%	11.7%	11.6%	11.0%	10.8%	9.9%
<u>IDP regulation financial viability indicators</u>									
i. Debt coverage	(Total Operating Revenue - Operating Grants)/Debt service payments due within financial year	16.0	15.7	10.0	12.1	12.1	36.9	14.9	16.9
ii. O/S Service Debtors to Revenue	Total outstanding service debtors/annual revenue received for services	26.2%	36.6%	36.6%	23.5%	25.4%	23.2%	26.5%	21.9%

Refer to IDP for performance indicators and targets

GT001 City Of Johannesburg - Table A10 Consolidated basic service delivery measurement

Description	2006/7	2007/8	2008/9	Current Year 2009/10		2010/11 Medium Term Revenue & Expenditure Framework		
	Outcome	Outcome	Outcome	Original Budget	Adjusted Budget	Budget Year 2010/11	Budget Year +1 2011/12	Budget Year +2 2012/13
Household service targets (000)								
Water:								
Piped water inside dwelling	530 493	584 644	531 552	644 644	644 644	591 552	621 552	651 552
Piped water inside yard (but not in dwelling)	26 863	55 995	55 996	55 995	55 995	55 996	55 996	55 996
Using public tap (at least min.service level)	89 975	92 669	158 664	100 269	100 269	164 862	173 105	181 760
Other water supply (at least min.service level)	-	-	-	-	-	-	-	-
<i>Minimum Service Level and Above sub-total</i>	647 331	733 308	746 212	800 908	800 908	812 410	850 653	889 308
Using public tap (< min.service level)	-	-	-	-	-	-	-	-
Other water supply (< min.service level)	44 291	26 915	32 467	26 915	26 915	26 269	26 269	26 269
No water supply	22 151	14 852	536	14 852	14 852	536	536	536
<i>Below Minimum Service Level sub-total</i>	66 442	41 767	33 003	41 767	41 767	26 805	26 805	26 805
Total number of households	713 773	775 075	779 215	842 675	842 675	839 215	877 458	916 113
Sanitation/sewerage:								
Flush toilet (connected to sewerage)	396 483	373 613	439 419	433 613	433 613	499 419	529 419	559 419
Flush toilet (with septic tank)	-	-	-	-	-	-	-	-
Chemical toilet	63 737	86 605	75 073	95 482	95 482	68 254	71 667	75 250
Pit toilet (ventilated)	91 708	35 047	65 432	42 657	42 657	72 251	76 551	80 851
Other toilet provisions (> min.service level)	6 413	7 549	7 549	7 549	7 549	7 549	7 549	7 549
<i>Minimum Service Level and Above sub-total</i>	558 341	502 814	587 473	579 301	579 301	647 473	685 186	723 069
Bucket toilet	-	-	-	-	-	-	-	-
Other toilet provisions (< min.service level)	-	-	-	-	-	-	-	-
No toilet provisions	22 024	7 150	45 971	7 150	7 150	45 971	45 971	45 971
<i>Below Minimum Service Level sub-total</i>	22 024	7 150	45 971	7 150	7 150	45 971	45 971	45 971
Total number of households	580 365	509 964	633 444	586 451	586 451	693 444	731 157	769 040
Energy:								
Electricity (at least min.service level)	228 068	217 860	212 068	226 489	226 489	239 172	251 609	269 189
Electricity - prepaid (min.service level)	86 768	94 854	109 924	117 399	117 399	123 973	130 420	137 202
<i>Minimum Service Level and Above sub-total</i>	314 836	312 714	321 992	343 888	343 888	363 145	382 029	406 391
Electricity (< min.service level)	-	-	-	-	-	-	-	-
Electricity - prepaid (< min. service level)	-	-	-	-	-	-	-	-
Other energy sources	-	-	-	-	-	-	-	-
<i>Below Minimum Service Level sub-total</i>	-	-	-	-	-	-	-	-
Total number of households	315	313	322	344	344	363	382	406
Refuse:								
Removed at least once a week	903 000	913 000	921 000	925 000	930 000	955 000	983 650	1 013 160
<i>Minimum Service Level and Above sub-total</i>	903 000	913 000	921 000	925 000	930 000	955 000	983 650	1 013 160
Removed less frequently than once a week	-	-	-	-	-	-	-	-
Using communal refuse dump	-	-	-	-	-	-	-	-
Using own refuse dump	-	-	-	-	-	-	-	-
Other rubbish disposal	-	-	-	-	-	-	-	-
No rubbish disposal	-	-	-	-	-	-	-	-
<i>Below Minimum Service Level sub-total</i>	-	-	-	-	-	-	-	-
Total number of households	903 000	913 000	921 000	925 000	930 000	955 000	983 650	1 013 160
Households receiving Free Basic Service								
Water (6 kilolitres per household per month)	647 331	733 308	778 679	800 908	800 908	838 679	876 922	915 577
Sanitation (free minimum level service)	123 230	121 652	148 054	154 925	154 925	148 054	155 767	163 650
Electricity/other energy (50kwh per household per month)	233 981	230 408	235 051	251 034	251 034	265 092	278 877	293 379
Refuse (removed at least once a week)	204 000	196 000	190 000	180 000	185 000	175 750	166 963	158 614
Cost of Free Basic Services provided (R'000)								
Water (6 kilolitres per household per month)	12 200	15 321	15 184	17 128	17 128	20 279	23 098	26 314
Sanitation (free sanitation service)	139 916	128 554	90 518	61 618	61 618	65 503	70 023	74 714
Electricity/other energy (50kwh per household per month)	55 097	60 086	91 660	97 893	97 893	103 375	108 750	114 405
Refuse (removed once a week)	36 720	51 744	57 000	64 800	66 600	73 815	80 142	83 748
Total cost of FBS provided (minimum social package)	243 933	255 705	254 362	241 439	243 239	262 972	282 013	299 181
Highest level of free service provided								
Property rates (R000 value threshold)	20 000	20 000	150 000	150 000	150 000	150 000	150 000	150 000
Water (kilolitres per household per month)	6	6	6	6	6	6	6	6
Sanitation (kilolitres per household per month)	-	-	-	-	-	-	-	-
Sanitation (Rand per household per month)	-	-	-	-	-	-	-	-
Electricity (kwh per household per month)	50	50	100	100	100	100	100	100
Refuse (average litres per week)	14kg	14kg	14kg	14kg	14kg	14kg	14kg	14kg
Revenue cost of free services provided (R'000)								
Property rates (R15 000 threshold rebate)	220 500	237 000	333 961	393 200	393 200	394 567	418 241	443 335
Property rates (other exemptions, reductions and rebates)	-	-	93 769	81 898	81 898	143 088	151 136	158 496
Water	237 990	256 297	268 502	287 740	287 740	321 535	369 561	429 328
Sanitation	39 933	41 411	43 942	59 408	59 408	76 946	102 008	135 911
Electricity/other energy	55 097	60 086	-	97 893	97 893	125 303	150 364	180 437
Refuse	12 240	12 936	13 680	21 600	22 200	23 199	24 043	26 647
Municipal Housing - rental rebates	-	-	-	-	-	-	-	-
Housing - top structure subsidies	105 849	173 652	321 293	350 000	160 000	50 000	-	-
Other	-	-	-	-	-	-	-	-
Total revenue cost of free services provided (total social package)	671 609	781 382	1 075 147	1 291 739	1 102 339	1 134 638	1 215 353	1 374 154

