

Vote 36

Water and Sanitation

Budget summary

R million	2019/20				2020/21	2021/22
	Total	Current payments	Transfers and subsidies	Payments for capital assets	Total	Total
MTEF allocation						
Administration	1 832.3	1 744.6	25.0	62.7	1 993.5	2 126.5
Water Planning and Information Management	970.3	886.0	3.2	81.1	1 034.7	1 096.9
Water Infrastructure Development	13 175.1	382.2	9 106.0	3 686.9	13 913.3	14 875.5
Water Sector Regulation	462.6	449.2	0.8	12.6	439.9	453.3
Total expenditure estimates	16 440.4	3 462.1	9 135.0	3 843.3	17 381.4	18 552.1

Executive authority Minister of Water and Sanitation
 Accounting officer Director-General of Water and Sanitation
 Website address www.dwa.gov.za

The Estimates of National Expenditure e-publications for individual votes are available on www.treasury.gov.za. These publications provide more comprehensive coverage of vote specific information, particularly about goods and services, transfers and subsidies, personnel, entities, donor funding, public-private partnerships, conditional grants to provinces and municipalities, and expenditure information at the level of service delivery, where appropriate.

Vote purpose

Ensure the availability of water resources to facilitate equitable and sustainable socioeconomic development, and ensure universal access to water and sanitation services.

Mandate

The mandate of the Department of Water and Sanitation is set out in the National Water Act (1998) and the Water Services Act (1997). The department's legislative mandate is to ensure that the country's water resources are protected, managed, used, developed, conserved and controlled by regulating and supporting the delivery of effective water supply and sanitation. This is done in accordance with the requirements of policies and legislation that are critical in delivering on people's right to have sufficient food and water, growing the economy, and eradicating poverty.

Selected performance indicators

Table 36.1 Performance indicators by programme and related outcome

Indicator	Programme	MTSF outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Number of reports on progress analysed against the approved annual international relations implementation plan per year	Administration	Departmental mandate	-1	4	4	4	1	1	1
Number of river systems with water resources classes and determined resource quality objectives per year	Water Planning and Information Management	Outcome 10: Protect and enhance our environmental assets and natural resources	0	2	1	4	1	0	1

Table 36.1 Performance indicators by programme and related outcome

Indicator	Programme	MTSF outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Number of mega regional bulk infrastructure project phases completed per year	Water Infrastructure Development	Outcome 6: An efficient, competitive and responsive economic infrastructure network	-1	0	0	0	2	1	1
Number of large regional bulk infrastructure project phases completed per year	Water Infrastructure Development	Outcome 9: Responsive, accountable, effective and efficient developmental local government	-1	2	5	10	16	10	8
Number of small regional bulk infrastructure project phases completed per year	Water Infrastructure Development		-1	31	6	4	8	5	5
Number of small projects completed through the Accelerated Community Infrastructure Programme subprogramme per year	Water Infrastructure Development		-1	14	1	0	0	0	0
Number of small projects completed through the water services infrastructure grant per year	Water Infrastructure Development		-1	316	47	0	104	83	90
Number of existing bucket sanitation backlog systems in formal settlements replaced with adequate sanitation services per year	Water Infrastructure Development		1838	6 978	8 313	11 844	0	0	0
Number of wastewater systems assessed for compliance with green drop regulatory standards per year	Water Sector Regulation		Departmental mandate	0	0	0	963	963	963
Number of water supply systems assessed for compliance with blue drop regulatory standards per year	Water Sector Regulation	0		763	788	1 010	0	0	1 010
Percentage of water use authorisation applications finalised within 300 working days of application	Water Sector Regulation	Outcome 10: Protect and enhance our environmental assets and natural resources	91% (262/288)	68% (275/404)	96% (447/467)	80%	80%	80%	80%

1. No historical data available.

Expenditure analysis

Chapter 4 of the National Development Plan (NDP) envisages a South Africa that recognises the importance of secure and equitable access to water and sanitation as catalysts for socioeconomic development. In line with this vision, over the medium term, the Department of Water and Sanitation will focus on developing and investing in water infrastructure, improving planning in and regulation of the water sector, and monitoring and protecting South Africa's water resources.

The *Water Infrastructure Development* programme is the largest spending area in the budget. Transfers and subsidies increase at an average annual rate of 4.8 per cent, from R8.9 billion in 2018/19 to R10.3 billion in 2021/22. These transfers are mainly to water boards for the provision of regional bulk infrastructure, the Water Trading Entity, the *regional bulk infrastructure grant* and the *water services infrastructure grant*. Payments for capital assets comprise an estimated 12.2 billion of the department's total budget over the period ahead. However, these payments decrease at an average annual rate of 2.3 per cent, from R4.5 billion in 2018/19 to R4.2 billion in 2021/22, due to a one-off allocation of R1.3 billion in 2018/19 for drought relief. Spending on compensation of employees accounts for R6 billion of the department's total budget, increasing at an average annual rate of 9.9 per cent, from R1.6 billion in 2018/19 to R2.1 billion in 2021/22. This increase is due to the filling of critical positions such as engineers and programme managers in the *Water Infrastructure Development* programme.

Developing and investing in water infrastructure

Appropriate infrastructure is essential to delivering key water-related services for socioeconomic development. In recognising this, 81.1 per cent (R42 billion) of the department's spending over the medium term is earmarked for water infrastructure. Investment in bulk and reticulation infrastructure for water and sanitation is expected to lead to an increase in expenditure on transfers to municipalities at an average annual rate of 4.3 per cent, from R5.7 billion in 2018/19 to R6.5 billion in 2021/22, in the *Water Infrastructure Development* programme.

Through the *regional bulk infrastructure grant* and the *water services infrastructure grant*, 4 mega, 34 large and 295 small regional bulk water and sanitation projects are expected to be completed over the MTEF period. R6.6 billion over the period will be made available to local governments through the *regional bulk infrastructure grant*; and R11.8 billion to municipalities through the *water services infrastructure grant*. A further R11.9 billion over the medium term will be made available through these grants for payments for capital assets.

Over the medium term, transfers to the Water Trading Entity are expected to fund short-term and long-term interventions in: the acid mine drainage project, which purifies mine water and uses it to augment the yield of the Vaal River system to ensure water security and environmental sustainability; the Olifants River water resources development project (phase 2D); the Mokolo and Crocodile River water augmentation project (phase 2A); the raising of Clanwilliam Dam; the Groot Letaba River water development project; the raising of Tzaneen Dam; the Mdloti River development project; and the raising of Hazelmere Dam. The entity will also subsidise the capital requirements, operations and maintenance of infrastructure for water resources. As a result, transfers to the entity are expected to increase at an average annual rate of 4 per cent, from R2.1 billion in 2018/19 to R2.3 billion in 2021/22.

Integrated planning and regulatory oversight

Over the medium term, the department plans to finalise and implement the water and sanitation master plan, which will serve as a roadmap for the integrated planning and implementation of water and sanitation projects across the water value chain. Activities related to the water and sanitation master plan are carried out in the *Water Planning and Information Management* programme, which is the fastest growing programme in the department, increasing at an average annual rate of 18.2 per cent, from R663.6 million in 2018/19 to R1.1 billion in 2021/22.

Monitoring and protecting water resources

To ensure that water resources are allocated equitably for socioeconomic development, the department aims to finalise 80 per cent of authorised water use licence applications within 300 days of receipt over the medium

term. It also plans to assess 963 wastewater systems per year over the MTEF period, in line with the green drop regulatory standards; and 1 010 water supply systems in 2021/22, in line with blue drop regulatory standards. As a result, allocations to the *Water Sector Regulation* programme are expected to increase at an average annual rate of 14.4 per cent, from R303 million in 2018/19 to R453.3 million in 2021/22.

Expenditure trends

Table 36.2 Vote expenditure trends by programme and economic classification

Programmes																																	
1. Administration																																	
2. Water Planning and Information Management																																	
3. Water Infrastructure Development																																	
4. Water Sector Regulation																																	
Programme	Annual budget			Adjusted appropriation			Audited outcome			Annual budget			Adjusted appropriation			Audited outcome			Annual budget			Adjusted appropriation			Audited outcome			Average: Outcome/Annual budget (%)			Average: Outcome/Adjusted appropriation (%)		
R million	2015/16			2016/17			2017/18			2018/19			2015/16 - 2018/19			2015/16 - 2018/19			2015/16 - 2018/19			2015/16 - 2018/19			2015/16 - 2018/19			2015/16 - 2018/19					
Programme 1	1 526.2	1 487.5	1 448.1	1 642.7	1 591.9	1 557.9	1 628.4	1 649.9	1 998.7	1 714.6	1 661.2	1 609.5	101.6%				103.5%																
Programme 2	814.0	744.0	701.0	853.7	831.0	815.4	816.5	802.4	653.3	862.1	689.6	663.6	84.7%				92.4%																
Programme 3	13 875.0	13 230.4	13 147.0	12 430.0	12 782.4	12 953.9	12 251.7	12 760.4	12 146.2	12 496.2	14 204.3	13 175.6	100.7%				97.1%																
Programme 4	231.3	284.6	260.9	318.8	319.2	308.2	410.8	394.8	308.1	498.6	318.7	303.1	80.9%				89.6%																
Total	16 446.5	15 746.5	15 557.0	15 245.3	15 524.6	15 635.4	15 107.4	15 607.4	15 106.2	15 571.5	16 873.7	15 751.7	99.5%				97.3%																
Change to 2018 Budget estimate													1 302.2																				
Economic classification																																	
Current payments	3 116.8	3 122.2	2 902.3	3 315.8	3 202.5	3 139.9	3 301.5	3 155.7	3 546.9	3 293.8	3 281.1	3 159.0	97.9%				99.9%																
Compensation of employees	1 492.1	1 428.4	1 360.4	1 667.2	1 540.2	1 439.9	1 651.9	1 571.9	1 535.6	1 720.2	1 718.0	1 595.9	90.8%				94.8%																
Goods and services	1 624.6	1 687.2	1 535.4	1 648.6	1 662.2	1 699.9	1 649.6	1 583.8	1 999.7	1 573.6	1 563.1	1 563.1	104.6%				104.6%																
Interest and rent on land	-	6.5	6.5	-	0.1	0.1	-	-	11.5	-	-	-	-				275.4%																
Transfers and subsidies	6 094.6	5 072.6	5 078.3	7 483.7	7 487.6	7 482.2	8 114.5	8 416.1	8 185.7	8 633.3	8 927.5	8 427.5	96.2%				97.6%																
Provinces and municipalities	2 305.4	2 305.5	2 305.7	4 695.4	4 695.4	4 681.3	5 194.9	5 195.2	5 134.8	5 438.6	5 726.7	5 226.7	98.4%				96.8%																
Departmental agencies and accounts	2 566.8	1 739.2	1 744.8	1 713.7	1 713.7	1 725.9	1 586.1	1 886.1	1 885.6	2 269.8	2 269.8	2 269.8	93.7%				100.2%																
Higher education institutions	0.6	2.0	1.0	3.4	3.4	-	-	-	-	-	-	-	25.0%				18.5%																
Foreign governments and international organisations	189.2	189.3	189.2	188.4	188.4	188.3	197.7	197.7	112.1	209.2	209.2	209.2	89.1%				89.1%																
Public corporations and private enterprises	1 000.0	802.0	801.7	844.8	844.8	844.8	1 098.5	1 098.5	1 022.3	694.7	694.7	694.7	92.5%				97.8%																
Non-profit institutions	1.9	2.0	0.7	2.8	2.8	3.3	1.2	1.2	0.8	1.0	1.0	1.0	84.5%				83.8%																
Households	30.7	32.7	35.2	35.3	39.3	38.6	36.1	37.5	30.1	20.0	26.2	26.2	106.4%				95.8%																
Payments for capital assets	7 235.1	7 551.8	7 571.4	4 445.8	4 834.5	5 013.3	3 691.5	4 035.7	3 373.7	3 644.4	4 665.1	4 165.1	105.8%				95.4%																
Buildings and other fixed structures	7 134.7	7 419.0	7 456.0	4 334.6	4 697.3	4 927.4	3 561.2	3 895.8	3 301.1	3 520.1	4 537.6	4 037.6	106.3%				96.0%																
Machinery and equipment	74.0	92.3	86.5	87.7	109.3	62.0	87.2	113.0	45.1	96.8	97.1	97.1	84.1%				70.6%																
Software and other intangible assets	26.5	40.4	29.0	23.4	27.9	24.0	43.1	26.9	27.4	27.5	30.4	30.4	91.9%				88.2%																
Payments for financial assets	-	-	4.8	-	-	0.0	-				-																						
Total	16 446.5	15 746.5	15 557.0	15 245.3	15 524.6	15 635.4	15 107.4	15 607.4	15 106.2	15 571.5	16 873.7	15 751.7	99.5%				97.3%																

Expenditure estimates

Table 36.3 Vote expenditure estimates by programme and economic classification

Programmes								
1. Administration								
2. Water Planning and Information Management								
3. Water Infrastructure Development								
4. Water Sector Regulation								
Programme	Revised estimate	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
				2018/19	2015/16 - 2018/19	2019/20		
R million								
Programme 1	1 609.5	2.7%	10.7%	1 832.3	1 993.5	2 126.5	9.7%	11.1%
Programme 2	663.6	-3.7%	4.6%	970.3	1 034.7	1 096.9	18.2%	5.5%
Programme 3	13 175.6	-0.1%	82.9%	13 175.1	13 913.3	14 875.5	4.1%	80.9%
Programme 4	303.1	2.1%	1.9%	462.6	439.9	453.3	14.4%	2.4%
Total	15 751.7	0.0%	100.0%	16 440.4	17 381.4	18 552.1	5.6%	100.0%
Change to 2018 Budget estimate				(26.2)	(27.5)	(33.7)		
Economic classification								
Current payments	3 159.0	0.4%	20.5%	3 462.1	3 702.6	3 916.5	7.4%	20.9%
Compensation of employees	1 595.9	3.8%	9.6%	1 851.3	1 990.2	2 119.6	9.9%	11.1%
Goods and services	1 563.1	-2.5%	11.0%	1 610.7	1 712.4	1 796.9	4.8%	9.8%
Transfers and subsidies	8 427.5	18.4%	47.0%	9 135.0	9 635.8	10 282.1	6.9%	55.0%
Provinces and municipalities	5 226.7	31.4%	28.0%	5 736.2	6 051.6	6 505.4	7.6%	34.5%
Departmental agencies and accounts	2 269.8	9.3%	12.3%	2 370.0	2 500.5	2 633.4	5.1%	14.3%
Foreign governments and international organisations	209.2	3.4%	1.1%	220.9	233.1	245.9	5.5%	1.3%
Public corporations and private enterprises	694.7	-4.7%	5.4%	782.9	825.8	871.3	7.8%	4.7%
Non-profit institutions	1.0	-19.9%	0.0%	0.3	0.3	0.3	-31.4%	0.0%
Households	26.2	-7.2%	0.2%	24.6	24.5	25.9	-0.4%	0.1%
Payments for capital assets	4 165.1	-18.0%	32.4%	3 843.3	4 043.1	4 353.5	1.5%	24.1%
Buildings and other fixed structures	4 037.6	-18.4%	31.8%	3 721.4	3 925.9	4 218.7	1.5%	23.3%
Machinery and equipment	97.1	1.7%	0.5%	92.4	82.0	90.7	-2.2%	0.5%
Software and other intangible assets	30.4	-9.0%	0.2%	29.5	35.2	44.1	13.2%	0.2%
Total	15 751.7	0.0%	100.0%	16 440.4	17 381.4	18 552.1	5.6%	100.0%

Expenditure trends and estimates for significant spending items

Table 36.4 Expenditure trends and estimates for significant spending items

	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total vote (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total vote (%)
	2015/16	2016/17	2017/18				2018/19	2015/16 - 2018/19	2019/20		
R thousand											
Water resource and bulk infrastructure	7 230 058	7 718 063	7 648 986	6 550 483	-3.2%	47.0%	8 060 526	8 506 087	9 076 978	11.5%	47.3%
Regional and local water and sanitation services	3 829 097	3 506 527	4 195 290	4 183 690	3.0%	25.3%	4 313 404	4 547 778	4 890 987	5.3%	26.3%
Total	11 059 155	11 224 590	11 844 276	10 734 173	-1.0%	72.3%	12 373 930	13 053 865	13 967 965	9.2%	73.6%

Goods and services expenditure trends and estimates

Table 36.5 Vote goods and services expenditure trends and estimates

	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2015/16	2016/17	2017/18				2018/19	2015/16 - 2018/19	2019/20		
R thousand											
Administrative fees	10 545	11 848	20 790	13 591	8.8%	0.8%	18 772	19 775	20 907	15.4%	1.1%
Advertising	33 825	55 133	13 574	13 474	-26.4%	1.7%	22 379	27 335	28 670	28.6%	1.4%
Minor assets	10 764	15 745	3 862	9 052	-5.6%	0.6%	11 595	13 542	13 951	15.5%	0.7%
Audit costs: External	29 313	36 225	21 952	43 888	14.4%	1.9%	36 531	39 024	41 462	-1.9%	2.4%
Bursaries: Employees	3 710	4 119	2 017	4 534	6.9%	0.2%	5 168	5 452	5 752	8.3%	0.3%
Catering: Departmental activities	11 250	11 386	4 800	7 301	-13.4%	0.5%	6 386	7 486	7 961	2.9%	0.4%

Table 36.5 Vote goods and services expenditure trends and estimates

R thousand	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	
	2015/16	2016/17	2017/18		2018/19	2015/16 - 2018/19	2019/20	2020/21	2021/22	2018/19 - 2021/22	Average Expenditure/ Total (%)
Communication	57 692	38 777	31 766	35 497	-14.9%	2.4%	33 387	36 416	38 190	2.5%	2.1%
Computer services	100 511	148 730	97 852	69 051	-11.8%	6.1%	171 678	192 020	202 960	43.2%	9.5%
Consultants: Business and advisory services	97 868	154 826	182 222	32 993	-30.4%	6.9%	180 088	163 312	146 770	64.5%	7.8%
Infrastructure and planning services	241 215	145 374	304 670	138 218	-16.9%	12.2%	224 608	216 619	235 219	19.4%	12.2%
Laboratory services	4 438	6 558	1 333	1 167	-35.9%	0.2%	9 300	8 311	10 330	106.9%	0.4%
Legal services	8 109	6 777	11 903	10 004	7.3%	0.5%	12 900	14 520	14 275	12.6%	0.8%
Science and technological services	1 777	910	-	130	-58.2%	-	-	25	26	-41.5%	-
Contractors	160 910	259 960	24 544	30 643	-42.5%	7.0%	37 130	31 128	32 989	2.5%	2.0%
Agency and support/outsourced services	40 033	7 191	6 302	27 429	-11.8%	1.2%	5 109	5 469	5 735	-40.6%	0.7%
Entertainment	673	426	158	351	-19.5%	-	478	512	547	15.9%	-
Fleet services (including government motor transport)	1 554	3 092	24 916	10 840	91.1%	0.6%	22 993	23 996	25 277	32.6%	1.2%
Housing	44	-	-	47	2.2%	-	-	-	-	-100.0%	-
Inventory: Clothing material and accessories	4 329	5 733	-	3 005	-11.5%	0.2%	-	-	-	-100.0%	-
Inventory: Farming supplies	79	137	-	21	-35.7%	-	-	-	-	-100.0%	-
Inventory: Food and food supplies	399	471	-	79	-41.7%	-	-	-	-	-100.0%	-
Inventory: Fuel, oil and gas	2 515	6 271	-	1 626	-13.5%	0.2%	-	-	-	-100.0%	-
Inventory: Learner and teacher support material	2 468	1 298	-	35	-75.8%	0.1%	-	-	-	-100.0%	-
Inventory: Materials and supplies	14 598	6 607	-	2 823	-42.2%	0.4%	-	-	-	-100.0%	-
Inventory: Medical supplies	183	269	-	243	9.9%	-	-	-	-	-100.0%	-
Inventory: Medicine	108	30	-	300	40.6%	-	-	-	-	-100.0%	-
Medsas system inventory interface	-	35	-	116	-	-	-	-	-	-100.0%	-
Inventory: Other supplies	6 377	13 599	6 127	13 017	26.9%	0.6%	3 227	3 404	3 592	-34.9%	0.3%
Consumable supplies	13 436	19 309	15 847	13 960	1.3%	0.9%	24 073	29 335	30 921	30.4%	1.5%
Consumables: Stationery, printing and office supplies	24 208	30 057	13 444	22 409	-2.5%	1.3%	26 059	26 326	29 344	9.4%	1.6%
Operating leases	275 322	304 928	311 010	385 129	11.8%	18.8%	418 974	487 413	521 778	10.7%	27.1%
Rental and hiring	4 615	2 828	1 977	2 110	-23.0%	0.2%	3 204	3 360	3 049	13.1%	0.2%
Property payments	121 681	90 238	102 474	98 460	-6.8%	6.1%	116 569	114 939	118 927	6.5%	6.7%
Transport provided:	3 561	2 557	324	1 204	-30.3%	0.1%	16 082	16 966	17 901	145.9%	0.8%
Departmental activity											
Travel and subsistence	176 382	235 374	202 925	50 450	-34.1%	9.8%	152 365	167 776	179 343	52.6%	8.2%
Training and development	36 237	33 757	581 117	494 469	139.0%	16.9%	28 943	31 488	33 382	-59.3%	8.8%
Operating payments	17 553	23 041	8 771	18 446	1.7%	1.0%	13 579	16 110	16 787	-3.1%	1.0%
Venues and facilities	17 157	16 313	3 031	6 982	-25.9%	0.6%	9 136	10 343	10 895	16.0%	0.6%
Total	1 535 439	1 699 929	1 999 708	1 563 094	0.6%	100.0%	1 610 713	1 712 402	1 796 940	4.8%	100.0%

Transfers and subsidies expenditure trends and estimates

Table 36.6 Vote transfers and subsidies trends and estimates

R thousand	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	
	2015/16	2016/17	2017/18		2018/19	2015/16 - 2018/19	2019/20	2020/21	2021/22	2018/19 - 2021/22	Average Expenditure/ Total (%)
Households											
Social benefits											
Current	8 869	10 450	8 759	7 740	-4.4%	0.1%	5 151	3 973	4 195	-18.5%	0.1%
Employee social benefits	8 866	10 450	8 759	7 740	-4.4%	0.1%	5 151	3 973	4 195	-18.5%	0.1%
Non-profit institutions	3	-	-	-	-100.0%	-	-	-	-	-	-
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	174 116	181 408	175 678	185 862	2.2%	2.4%	196 270	207 065	218 453	5.5%	2.1%
Energy and Water Services Sector	3 037	2 202	2 676	2 828	-2.3%	-	2 986	3 150	3 323	5.5%	-
Education and Training Authority											
Communication	4	-	-	-	-100.0%	-	-	-	-	-	-
Water information management	6 704	12 206	2	-	-100.0%	0.1%	-	-	-	-	-
Water Trading Entity	164 371	165 000	173 000	183 034	3.6%	2.3%	193 284	203 915	215 130	5.5%	2.1%
Water Research Commission	-	2 000	-	-	-	-	-	-	-	-	-

Table 36.6 Vote transfers and subsidies trends and estimates

	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2015/16	2016/17	2017/18				2018/19	2019/20	2020/21		
R thousand											
Capital	1 570 722	1 544 461	1 709 881	2 083 894	9.9%	23.3%	2 173 752	2 293 421	2 414 930	5.0%	23.6%
Water Trading Entity	1 570 722	1 544 461	1 709 881	2 083 894	9.9%	23.3%	2 173 752	2 293 421	2 414 930	5.0%	23.6%
Households											
Other transfers to households											
Current	26 288	28 159	21 304	18 427	-11.2%	0.3%	19 462	20 537	21 666	5.5%	0.2%
Employee social benefits	–	12 624	4 470	2 797	–	0.1%	202	213	225	-56.8%	–
Bursaries for non-employees	15 726	15 535	16 834	15 630	-0.2%	0.2%	19 260	20 324	21 441	11.1%	0.2%
Resource poor farmers	10 562	–	–	–	-100.0%	–	–	–	–	–	–
Provinces and municipalities											
Municipal bank accounts											
Current	660	546	553	523	-7.5%	–	552	573	604	4.9%	–
Other transfers to households	3	–	–	–	-100.0%	–	–	–	–	–	–
Vehicle licences	657	546	553	523	-7.3%	–	552	573	604	4.9%	–
Capital	2 305 029	4 680 773	5 134 239	5 726 139	35.4%	60.1%	5 735 679	6 050 977	6 504 800	4.3%	63.2%
Regional bulk infrastructure grant	–	1 849 791	1 829 002	1 957 000	–	19.0%	2 066 360	2 180 005	2 343 505	6.2%	22.5%
Water services infrastructure grant	2 305 029	2 830 982	3 305 237	3 769 139	17.8%	41.1%	3 669 319	3 870 972	4 161 295	3.4%	40.7%
Foreign governments and international organisations											
Current	189 231	188 250	112 132	209 212	3.4%	2.4%	220 927	233 078	245 897	5.5%	2.4%
Limpopo Watercourse Commission	350	87	628	186	-19.0%	–	196	207	218	5.4%	–
Orange-Senqu River Commission	546	611	800	675	7.3%	–	713	752	793	5.5%	–
African Ministers Council on Water	97	102	135	112	4.9%	–	118	124	131	5.4%	–
Komati Basin Water Authority	188 238	187 450	110 569	208 239	3.4%	2.3%	219 900	231 995	244 755	5.5%	2.4%
Non-profit institutions											
Current	681	3 337	779	1 026	14.6%	–	297	313	331	-31.4%	–
Employee social benefits	–	–	55	–	–	–	–	–	–	–	–
Women in Water Awards	100	700	–	–	-100.0%	–	–	–	–	–	–
South African Youth Water Prize	22	24	21	26	5.7%	–	27	28	30	4.9%	–
Various institutions: 2020 vision for water education programme	559	1 813	703	–	-100.0%	–	270	285	301	–	–
Water Institute of Southern Africa	–	800	–	1 000	–	–	–	–	–	-100.0%	–
Public corporations and private enterprises											
Other transfers to public corporations											
Capital	801 748	844 773	1 022 349	694 715	-4.7%	11.3%	782 891	825 829	871 250	7.8%	8.4%
Amatola water board: Regional bulk infrastructure	169 060	–	88 554	92 386	-18.2%	1.2%	185 000	–	–	-100.0%	0.7%
Magalies water board: Regional bulk infrastructure	150 000	142 769	52 231	36 000	-37.9%	1.3%	65 373	100 000	105 500	43.1%	0.8%
Umgeni water board: Regional bulk infrastructure	279 140	423 004	518 405	132 329	-22.0%	4.6%	320 000	590 829	623 325	67.6%	4.4%
Sedibeng water board: Regional bulk infrastructure	203 548	279 000	363 159	434 000	28.7%	4.3%	212 518	135 000	142 425	-31.0%	2.4%
Higher education institutions											
Current	1 000	–	–	–	-100.0%	–	–	–	–	–	–
Stellenbosch University	500	–	–	–	-100.0%	–	–	–	–	–	–
University of the Western Cape	500	–	–	–	-100.0%	–	–	–	–	–	–
Total	5 078 344	7 482 157	8 185 674	8 927 538	20.7%	100.0%	9 134 981	9 635 766	10 282 126	4.8%	100.0%

Personnel information

Table 36.7 Vote personnel numbers and cost by salary level and programme¹

Number of posts estimated for 31 March 2019		Number and cost ² of personnel posts filled/planned for on funded establishment										Number								
Number of funded posts	Number of posts additional to the establishment	Actual		Revised estimate			Medium-term expenditure estimate					Average growth rate (%)	Average: Salary level/Total (%)							
		2017/18		2018/19			2019/20		2020/21		2021/22									
		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number			Cost	Unit cost					
Water and Sanitation		3 643	103	3 218	1 535.6	0.5	3 204	1 595.9	0.5	3 397	1 851.3	0.5	3 395	1 990.2	0.6	3 359	2 119.6	0.6	1.6%	100.0%
Salary level		3 643	103	3 218	1 535.6	0.5	3 204	1 595.9	0.5	3 397	1 851.3	0.5	3 395	1 990.2	0.6	3 359	2 119.6	0.6	1.6%	100.0%
1 – 6	1 401	24	1 156	295.1	0.3	1 142	254.0	0.2	1 179	283.5	0.2	1 174	304.9	0.3	1 156	323.5	0.3	0.4%	34.8%	
7 – 10	1 434	37	1 516	712.4	0.5	1 530	693.0	0.5	1 615	785.8	0.5	1 618	847.4	0.5	1 604	904.5	0.6	1.6%	47.7%	
11 – 12	596	41	346	280.7	0.8	330	352.0	1.1	381	434.5	1.1	381	465.6	1.2	377	493.3	1.3	4.5%	11.0%	
13 – 16	210	1	200	247.4	1.2	202	296.9	1.5	222	347.5	1.6	222	372.3	1.7	222	398.2	1.8	3.2%	6.5%	
Other	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Programme	3 643	103	3 218	1 535.6	0.5	3 204	1 595.9	0.5	3 397	1 851.3	0.5	3 395	1 990.2	0.6	3 359	2 119.6	0.6	1.6%	100.0%	
Programme 1	1 775	29	1 554	695.0	0.4	1 534	726.5	0.5	1 615	835.2	0.5	1 600	890.0	0.6	1 582	947.8	0.6	1.0%	47.4%	
Programme 2	985	48	882	407.8	0.5	852	431.8	0.5	889	492.5	0.6	889	529.7	0.6	877	564.2	0.6	1.0%	26.3%	
Programme 3	472	12	414	199.4	0.5	379	213.6	0.6	426	264.5	0.6	442	292.8	0.7	438	311.8	0.7	4.9%	12.6%	
Programme 4	411	14	368	233.5	0.6	439	224.1	0.5	467	259.2	0.6	464	277.8	0.6	462	295.8	0.6	1.7%	13.7%	

1. Data has been provided by the department and may not necessarily reconcile with official government personnel data.

2. Rand million.

Departmental receipts

Table 36.8 Departmental receipts by economic classification

R thousand	Audited outcome			Adjusted estimate		Average growth rate (%)	Average: Receipt item/ Total (%)	Medium-term receipts estimate			Average growth rate (%)	Average: Receipt item/ Total (%)	
	2015/16	2016/17	2017/18	2018/19				2019/20	2020/21	2021/22			
Departmental receipts	11 008	20 964	12 876	18 237	18 237	18.3%	100.0%	8 031	8 196	15 004	-6.3%	100.0%	
Sales of goods and services produced by department	2 546	3 164	1 871	2 616	2 616	0.9%	16.2%	2 471	2 486	2 558	-0.7%	20.5%	
Sales by market establishments of which:	920	877	699	735	735	-7.2%	5.1%	747	750	832	4.2%	6.2%	
Market establishment: Rental dwelling	656	567	509	527	527	-7.0%	3.6%	550	550	577	3.1%	4.5%	
Market establishment: Non-residential building	78	123	6	20	20	-36.5%	0.4%	7	10	69	51.1%	0.2%	
Market establishment: Rental parking	186	187	184	188	188	0.4%	1.2%	190	190	186	-0.4%	1.5%	
Administrative fees of which:	102	65	58	59	59	-16.7%	0.5%	65	65	108	22.3%	0.6%	
Services rendered: Transport fees	50	50	48	48	48	-1.4%	0.3%	50	50	49	0.7%	0.4%	
Sales: Tender documents	36	–	–	–	–	-100.0%	0.1%	–	–	25	–	0.1%	
Sales: Maps	12	10	7	9	9	-9.1%	0.1%	11	10	29	47.7%	0.1%	
Replacement of security cards	4	4	3	2	2	-20.6%	–	4	5	4	26.0%	–	
Sales: Water potable	–	1	–	–	–	–	–	–	–	1	–	–	
Other sales of which:	1 524	2 222	1 114	1 822	1 822	6.1%	10.6%	1 659	1 671	1 618	-3.9%	13.7%	
Rental capital assets	67	70	75	80	80	6.1%	0.5%	77	78	71	-3.9%	0.6%	
Sales: Departmental publications and production	3	7	3	5	5	18.6%	–	4	4	3	-15.7%	–	
Services rendered: Commission on insurance and garnishee	803	748	759	771	771	-1.3%	4.9%	762	764	770	–	6.2%	
Sales: Meals and refreshments	510	989	175	832	832	17.7%	4.0%	502	505	558	-12.5%	4.8%	
Services rendered: Boarding service	141	408	98	134	134	-1.7%	1.2%	314	320	216	17.3%	2.0%	
Sales: Assets less than R5 000	–	–	4	–	–	–	–	–	–	–	–	–	
Sales of scrap, waste, arms and other used current goods of which:	30	–	6	18	18	-15.7%	0.1%	10	10	36	26.0%	0.1%	
Sales: Scrap	28	–	6	18	18	-12.6%	0.1%	10	10	34	22.4%	0.1%	
Sales: Wastepaper	2	–	–	–	–	-100.0%	–	–	–	2	–	–	
Fines, penalties and forfeits	–	–	–	400	400	–	0.6%	–	–	–	–	-100.0%	0.8%
Interest, dividends and rent on land	2 428	1 384	2 992	2 467	2 467	0.5%	14.7%	2 800	2 900	2 268	-2.8%	21.1%	
Interest	2 428	1 384	2 992	2 467	2 467	0.5%	14.7%	2 800	2 900	2 268	-2.8%	21.1%	
Sales of capital assets	31	–	197	–	–	-100.0%	0.4%	–	–	76	–	0.2%	
Transactions in financial assets and liabilities	5 973	16 416	7 810	12 736	12 736	28.7%	68.1%	2 750	2 800	10 066	-7.5%	57.3%	
Total	11 008	20 964	12 876	18 237	18 237	18.3%	100.0%	8 031	8 196	15 004	-6.3%	100.0%	

Programme 1: Administration

Programme purpose

Provide strategic leadership, management and support services to the department. Develop and promote international relations on water resources with neighbouring countries.

Objectives

- Facilitate targeted and sustained African and global cooperation in support of the national water and sanitation agenda by evaluating the implementation of the approved African and global international relations plan annually.
 - Improve regional water resource management by monitoring progress quarterly against the annual international relations implementation plan, as approved by the Department of International Relations and Cooperation.

Subprogrammes

- *Ministry* provides administrative and logistical support to the minister and deputy minister, and their support staff, and makes provision for their salaries.
- *Departmental Management* provides policy and strategic direction for water and sanitation management. This includes enterprise-wide support services comprising administrative support to the director-general, corporate planning, and monitoring and evaluation; and the provision of salaries and operational budgets for the department's regional office heads.
- *Internal Audit* provides independent, objective assurance and advisory services to improve the department's operations.
- *Corporate Services* provides enterprise-wide support comprising human resources, legal services, communications, the learning and development academy, and transformation policy and coordination.
- *Financial Management* ensures the efficient management of daily financial operations, processes and systems.
- *Office Accommodation* makes payments for rental charges on all leased office space occupied by the department; and for municipal services such as electricity, water, and sewage and waste removal.
- *Programme Management Unit* provides for improved coordination and governance in the management of departmental projects.
- *International Water Support* strategically coordinates, promotes and manages international relations on water and sanitation between countries through bilateral and multilateral cooperation instruments and organisations, in line with legislative provisions. This subprogramme also pursues national interests in African and global multilateral organisations and forums.

Expenditure trends and estimates

Table 36.9 Administration expenditure trends and estimates by subprogramme and economic classification

Subprogramme	Audited outcome			Adjusted appropriation 2018/19	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	
	2015/16	2016/17	2017/18		2015/16 - 2018/19	Average Expenditure/ Total (%)	2019/20	2020/21	2021/22	2018/19 - 2021/22	Average Expenditure/ Total (%)
R million											
Ministry	45.9	52.3	56.1	48.5	1.8%	3.0%	46.6	54.9	58.3	6.4%	2.7%
Departmental Management	91.6	105.5	61.8	84.6	-2.6%	5.2%	103.4	108.8	115.7	11.0%	5.4%
Internal Audit	29.8	36.3	34.3	39.3	9.7%	2.1%	38.0	45.2	48.1	7.0%	2.2%
Corporate Services	626.8	718.6	1 197.3	696.4	3.6%	48.6%	777.1	838.1	893.6	8.7%	42.1%
Financial Management	196.3	232.0	204.7	253.9	9.0%	13.3%	269.3	282.5	300.4	5.8%	14.5%
Office Accommodation	374.1	346.9	367.5	439.2	5.5%	22.9%	481.4	552.8	590.7	10.4%	27.1%
Programme Management Unit	46.5	28.1	39.3	50.9	3.1%	2.5%	62.5	55.9	59.3	5.2%	3.0%
International Water Support	37.2	38.2	37.7	48.5	9.3%	2.4%	54.0	55.4	60.4	7.6%	2.9%
Total	1 448.1	1 557.9	1 998.7	1 661.2	4.7%	100.0%	1 832.3	1 993.5	2 126.5	8.6%	100.0%
Change to 2018 Budget estimate				(53.5)			7.4	-	-		

Table 36.9 Administration expenditure trends and estimates by subprogramme and economic classification

Economic classification	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2015/16	2016/17	2017/18				2018/19	2019/20	2020/21		
R million											
Current payments	1 367.1	1 483.9	1 925.1	1 568.7	4.7%	95.2%	1 744.6	1 898.1	2 019.7	8.8%	95.0%
Compensation of employees	617.7	670.2	695.0	778.2	8.0%	41.4%	835.2	890.0	947.8	6.8%	45.3%
Goods and services ¹	742.9	813.7	1 230.1	790.5	2.1%	53.7%	909.5	1 008.1	1 071.9	10.7%	49.6%
<i>of which:</i>											
<i>Audit costs: External</i>	29.3	36.2	22.0	43.9	14.4%	2.0%	36.5	39.0	41.5	-1.9%	2.1%
<i>Computer services</i>	38.2	58.4	47.1	63.7	18.5%	3.1%	96.1	113.3	119.6	23.4%	5.2%
<i>Contractors</i>	41.0	51.8	12.2	24.4	-15.9%	1.9%	29.3	22.8	24.3	-0.1%	1.3%
<i>Operating leases</i>	272.3	302.1	310.8	383.6	12.1%	19.0%	418.2	486.5	520.8	10.7%	23.8%
<i>Property payments</i>	119.6	78.6	86.4	93.5	-7.9%	5.7%	103.8	101.5	104.7	3.9%	5.3%
<i>Travel and subsistence</i>	72.6	72.3	67.0	29.7	-25.8%	3.6%	69.1	76.2	80.5	39.5%	3.4%
<i>Interest and rent on land</i>	6.5	–	–	–	-100.0%	0.1%	–	–	–	–	–
Transfers and subsidies¹	21.8	21.9	23.6	21.6	-0.3%	1.3%	25.0	26.4	27.9	8.8%	1.3%
Provinces and municipalities	0.0	0.0	0.0	0.1	111.4%	–	0.1	0.1	0.1	1.5%	–
Departmental agencies and accounts	3.0	2.2	2.7	2.8	-2.4%	0.2%	3.0	3.2	3.3	5.5%	0.2%
Higher education institutions	1.0	–	–	–	-100.0%	–	–	–	–	–	–
Foreign governments and international organisations	1.0	0.8	1.6	1.0	-0.7%	0.1%	1.0	1.1	1.1	5.5%	0.1%
Non-profit institutions	0.1	0.7	–	–	-100.0%	–	–	–	–	–	–
Households	16.7	18.2	19.4	17.7	2.1%	1.1%	20.9	22.1	23.3	9.5%	1.1%
Payments for capital assets	59.2	52.1	49.9	70.8	6.2%	3.5%	62.7	69.0	78.9	3.7%	3.7%
Machinery and equipment	30.1	29.1	22.5	41.1	10.9%	1.8%	33.7	34.5	35.5	-4.8%	1.9%
Software and other intangible assets	29.0	23.0	27.4	29.6	0.7%	1.6%	29.0	34.5	43.4	13.5%	1.8%
Total	1 448.1	1 557.9	1 998.7	1 661.2	4.7%	100.0%	1 832.3	1 993.5	2 126.5	8.6%	100.0%
Proportion of total programme expenditure to vote expenditure	9.3%	10.0%	13.2%	9.8%	–	–	11.1%	11.5%	11.5%	–	–
Details of selected transfers and subsidies											
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	3.0	2.2	2.7	2.8	-2.3%	0.2%	3.0	3.2	3.3	5.5%	0.2%
Energy and Water Services Sector	3.0	2.2	2.7	2.8	-2.3%	0.2%	3.0	3.2	3.3	5.5%	0.2%
Education and Training Authority											
Households											
Other transfers to households											
Current	15.7	15.5	16.8	15.6	-0.2%	1.0%	19.3	20.3	21.4	11.1%	1.0%
Bursaries for non-employees	15.7	15.5	16.8	15.6	-0.2%	1.0%	19.3	20.3	21.4	11.1%	1.0%

1. Estimates of National Expenditure data tables are available and can be downloaded from www.treasury.gov.za. These data tables contain detailed information by goods and services, and transfers and subsidies item by programme.

Programme 2: Water Planning and Information Management

Programme purpose

Ensure that South Africa's water resources are protected, used, developed, conserved, managed and controlled in a sustainable manner for the benefit of all people and the environment by developing a knowledge base and implementing effective policies, procedures and integrated planning strategies for both water resources and water services.

Objectives

- Protect the integrity of freshwater ecosystems by determining the water resource classes and quality objectives for 2 river systems by March 2022.
- Enhance the efficiency of water use and the management of water quality by assessing 3 large water systems for water losses by March 2022.
- Ensure a coordinated approach to water and sanitation infrastructure planning, monitoring and evaluation by updating the national water and sanitation master plan annually.

Subprogrammes

- *Water Planning, Information Management and Support* provides strategic leadership and overall management to the programme.
- *Integrated Planning* develops comprehensive plans that guide infrastructure development, systems and services management in the water sector.
- *Water Ecosystems* develops and implements measures to protect water resources. This entails determining measures to manage water resources by classifying water resource systems, determining reserves, conducting resource quality assessments and determining resource-directed measures by developing pollution control guidelines, and rehabilitation measures and protocols.
- *Water Information Management* ensures the development and maintenance of data and information management systems to enable informed decisions on water management.
- *Water Services and Local Water Management* formulates and develops strategies, guidelines and plans for water services and the management of water at the local level.
- *Sanitation Planning and Management* provides a national strategy for the planning of sanitation services and supports municipalities in planning for the provision of sustainable sanitation services.
- *Policy and Strategy* develops, monitors and reviews the implementation of water and sanitation sector policies and strategies.

Expenditure trends and estimates

Table 36.10 Water Planning and Information Management expenditure trends and estimates by subprogramme and economic classification

Subprogramme	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	Average Expenditure/ Total (%)
	2015/16	2016/17	2017/18		2015/16	2018/19	2019/20	2020/21	2021/22		
R million											
Water Planning, Information Management and Support	3.9	5.0	5.7	6.5	18.9%	0.7%	7.1	7.4	7.9	6.8%	0.8%
Integrated Planning	159.0	93.0	88.6	68.2	-24.6%	14.3%	97.9	110.8	118.2	20.2%	10.4%
Water Ecosystems	50.2	50.4	43.2	36.9	-9.8%	6.3%	54.0	66.7	59.6	17.4%	5.7%
Water Information Management	456.0	517.7	421.6	408.6	-3.6%	63.1%	533.3	582.2	622.8	15.1%	56.6%
Water Services and Local Water Management	–	112.6	63.1	141.0	–	11.1%	241.0	225.3	243.2	19.9%	22.4%
Sanitation Planning and Management	–	11.6	15.8	12.9	–	1.4%	16.7	20.5	22.0	19.5%	1.9%
Policy and Strategy	31.9	25.1	15.3	15.6	-21.2%	3.1%	20.5	21.9	23.2	14.1%	2.1%
Total	701.0	815.4	653.3	689.6	-0.5%	100.0%	970.3	1 034.7	1 096.9	16.7%	100.0%
Change to 2018 Budget estimate				(172.5)			(0.3)	–	–		
Economic classification											
Current payments	632.4	758.1	611.3	618.1	-0.8%	91.6%	886.0	961.3	1 014.1	17.9%	91.8%
Compensation of employees	350.7	390.3	407.8	457.9	9.3%	56.2%	492.5	529.7	564.2	7.2%	53.9%
Goods and services ¹	281.6	367.7	203.5	160.2	-17.1%	35.4%	393.5	431.5	450.0	41.1%	37.9%
<i>of which:</i>											
Communication	8.0	6.6	4.6	3.2	-26.5%	0.8%	9.5	10.2	10.6	48.9%	0.9%
Computer services	48.9	78.4	50.7	4.3	-55.6%	6.4%	63.4	67.1	71.1	155.2%	5.4%
Consultants: Business and advisory services	17.6	20.4	5.1	4.2	-37.8%	1.7%	22.1	55.6	47.4	123.9%	3.4%
Infrastructure and planning services	84.9	100.1	59.9	104.0	7.0%	12.2%	206.6	197.9	215.2	27.4%	19.1%
Fleet services (including government motor transport)	0.7	2.3	12.0	1.6	34.0%	0.6%	9.9	10.5	11.1	88.8%	0.9%
Travel and subsistence	43.4	72.1	46.5	4.5	-53.0%	5.8%	31.4	32.5	34.2	96.4%	2.7%
Interest and rent on land	0.0	–	–	–	-100.0%	–	–	–	–	–	–
Transfers and subsidies¹	8.7	13.9	4.5	3.3	-27.8%	1.1%	3.2	1.9	2.0	-14.9%	0.3%
Provinces and municipalities	0.7	0.5	0.5	0.4	-12.4%	0.1%	0.5	0.5	0.5	5.5%	0.1%
Departmental agencies and accounts	6.7	12.2	0.0	–	-100.0%	0.7%	–	–	–	–	–
Non-profit institutions	0.0	0.0	0.0	0.0	5.7%	–	0.0	0.0	0.0	4.9%	–
Households	1.3	1.2	3.9	2.8	28.0%	0.3%	2.7	1.4	1.5	-19.3%	0.2%

Table 36.10 Water Planning and Information Management expenditure trends and estimates by subprogramme and economic classification

Economic classification	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2015/16	2016/17	2017/18				2018/19	2019/20	2020/21		
R million					2015/16 - 2018/19		2019/20	2020/21	2021/22	2018/19 - 2021/22	
Payments for capital assets	55.0	43.4	37.5	68.2	7.4%	7.1%	81.1	71.5	80.7	5.8%	8.0%
Buildings and other fixed structures	26.0	26.0	23.7	28.5	3.1%	3.6%	39.8	40.3	41.7	13.6%	4.0%
Machinery and equipment	29.0	16.4	13.7	39.0	10.3%	3.4%	40.7	30.7	38.3	-0.6%	3.9%
Software and other intangible assets	0.0	0.9	0.0	0.7	321.2%	0.1%	0.6	0.6	0.7	-2.6%	0.1%
Payments for financial assets	4.8	-	-	-	-100.0%	0.2%	-	-	-	-	-
Total	701.0	815.4	653.3	689.6	-0.5%	100.0%	970.3	1 034.7	1 096.9	16.7%	100.0%
Proportion of total programme expenditure to vote expenditure	4.5%	5.2%	4.3%	4.1%	-	-	5.9%	6.0%	5.9%	-	-
Details of selected transfers and subsidies											
Households											
Social benefits											
Current	1.3	1.2	3.9	2.8	29.4%	0.3%	2.7	1.4	1.5	-19.3%	0.2%
Employee social benefits	1.3	1.2	3.9	2.8	29.4%	0.3%	2.7	1.4	1.5	-19.3%	0.2%
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	6.7	12.2	0.0	-	-100.0%	0.7%	-	-	-	-	-
Water information management	6.7	12.2	0.0	-	-100.0%	0.7%	-	-	-	-	-

1. Estimates of National Expenditure data tables are available and can be downloaded from www.treasury.gov.za. These data tables contain detailed information by goods and services, and transfers and subsidies item by programme.

Programme 3: Water Infrastructure Development

Programme purpose

Develop, rehabilitate and refurbish raw water resources and water services infrastructure to meet the socioeconomic and environmental needs of South Africa.

Objectives

- Ensure the effective and sustainable management of water resources by transferring and monitoring funds transferred to the Water Trading Entity for the design, construction, commissioning and rehabilitation of bulk raw water infrastructure, including dam safety rehabilitation, on an ongoing basis.
- Ensure adequate water availability through the development and management of infrastructure for water resources; and enhance the provision of sustainable and reliable water supply and sanitation through the *regional bulk infrastructure grant*, the *water services infrastructure grant* and the *Accelerated Community Infrastructure Programme* subprogramme on a continual basis.

Subprogrammes

- *Strategic Infrastructure Development and Management* provides for the design, construction, commissioning and management of new and existing water resource infrastructure.
- *Operation of Water Resources* funds expenditure on water resource management activities conducted by the department or catchment management agencies within water management areas.
- *Regional Bulk Infrastructure Grant* provides for the development of new infrastructure, and the refurbishment, upgrading and replacement of ageing infrastructure that services extensive areas across municipal boundaries.
- *Water Services Infrastructure Grant* transfers funds to municipalities to provide for the construction of new and the rehabilitation of existing water and sanitation infrastructure. The subprogramme also implements water services infrastructure schemes on behalf of municipalities and transfers infrastructure to water service institutions once construction is completed. The grant allocation prioritises the 27 poorest district municipalities.

- *Accelerated Community Infrastructure Programme* provides for rapid emergency interventions related to the refurbishment of wastewater treatment infrastructure, water conservation, water demand management and municipal water supply; and provides support to farmers with access to limited resources.

Expenditure trends and estimates

Table 36.11 Water Infrastructure Development expenditure trends and estimates by subprogramme and economic classification

Subprogramme	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2015/16	2016/17	2017/18				2018/19	2019/20	2020/21		
R million											
Strategic Infrastructure Development and Management	1 759.0	1 731.9	1 820.5	2 292.1	9.2%	14.5%	2 393.7	2 525.4	2 659.7	5.1%	17.6%
Operation of Water Resources	164.4	165.0	173.0	183.0	3.6%	1.3%	193.3	203.9	215.1	5.5%	1.4%
Regional Bulk Infrastructure Grant	5 408.0	6 258.2	5 575.7	5 603.5	1.2%	43.6%	5 973.2	6 308.7	6 764.0	6.5%	43.9%
Water Services Infrastructure Grant	5 401.6	4 117.7	4 440.2	5 532.2	0.8%	37.2%	4 480.5	4 726.2	5 078.2	-2.8%	35.3%
Accelerated Community Infrastructure Programme	414.1	681.1	136.9	593.3	12.7%	3.5%	134.5	149.1	158.4	-35.6%	1.8%
Total	13 147.0	12 953.9	12 146.2	14 204.3	2.6%	100.0%	13 175.1	13 913.3	14 875.5	1.6%	100.0%
Change to 2018 Budget estimate				1 708.1			(34.1)	(27.5)	(33.7)		
Economic classification											
Current payments	647.2	602.8	707.1	787.3	6.8%	5.2%	382.2	415.4	441.2	-17.6%	3.6%
Compensation of employees	216.2	213.5	199.4	242.2	3.9%	1.7%	264.5	292.8	311.8	8.8%	2.0%
Goods and services ¹	431.0	389.2	496.1	545.1	8.1%	3.5%	117.7	122.6	129.4	-38.1%	1.6%
<i>of which:</i>											
<i>Consultants: Business and advisory services</i>	49.6	62.3	145.1	6.1	-50.2%	0.5%	25.5	26.9	28.4	66.7%	0.2%
<i>Infrastructure and planning services</i>	154.2	43.3	242.5	5.1	-67.9%	0.8%	17.7	18.7	19.7	56.9%	0.1%
<i>Consumable supplies</i>	1.0	0.9	1.0	2.0	24.5%	-	4.8	5.1	5.4	39.1%	-
<i>Consumables: Stationery, printing and office supplies</i>	5.8	4.2	1.8	3.5	-15.3%	-	4.5	4.7	5.0	12.3%	-
<i>Property payments</i>	0.0	6.4	11.8	1.8	485.7%	-	8.6	9.0	9.5	74.0%	0.1%
<i>Travel and subsistence</i>	40.6	47.1	59.1	12.5	-32.5%	0.3%	23.6	23.3	24.6	25.3%	0.1%
<i>Interest and rent on land</i>	-	0.1	11.5	-	-	-	-	-	-	-	-
Transfers and subsidies¹	5 046.9	7 441.1	8 157.3	8 900.6	20.8%	56.3%	9 106.0	9 606.6	10 251.4	4.8%	67.4%
Provinces and municipalities	2 305.0	4 680.8	5 134.2	5 726.1	35.4%	34.0%	5 735.7	6 051.0	6 504.8	4.3%	42.8%
Departmental agencies and accounts	1 735.1	1 709.5	1 882.9	2 266.9	9.3%	14.5%	2 367.0	2 497.3	2 630.1	5.1%	17.4%
Foreign governments and international organisations	188.2	187.5	110.6	208.2	3.4%	1.3%	219.9	232.0	244.8	5.5%	1.6%
Public corporations and private enterprises	801.7	844.8	1 022.3	694.7	-4.7%	6.4%	782.9	825.8	871.3	7.8%	5.7%
Non-profit institutions	0.6	1.8	0.7	-	-100.0%	-	0.3	0.3	0.3	-	-
Households	16.2	16.9	6.6	4.6	-34.5%	0.1%	0.2	0.2	0.2	-63.3%	-
Payments for capital assets	7 453.0	4 910.0	3 281.9	4 516.4	-15.4%	38.4%	3 686.9	3 891.2	4 182.9	-2.5%	29.0%
Buildings and other fixed structures	7 430.0	4 901.4	3 277.4	4 509.1	-15.3%	38.4%	3 681.6	3 885.6	4 177.0	-2.5%	28.9%
Machinery and equipment	23.0	8.7	4.5	7.3	-31.8%	0.1%	5.3	5.6	5.9	-6.8%	-
Total	13 147.0	12 953.9	12 146.2	14 204.3	2.6%	100.0%	13 175.1	13 913.3	14 875.5	1.6%	100.0%
Proportion of total programme expenditure to vote expenditure	84.5%	82.8%	80.4%	84.2%	-	-	80.1%	80.0%	80.2%	-	-
Details of selected transfers and subsidies											
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	164.4	165.0	173.0	183.0	3.6%	1.3%	193.3	203.9	215.1	5.5%	1.4%
Water Trading Entity	164.4	165.0	173.0	183.0	3.6%	1.3%	193.3	203.9	215.1	5.5%	1.4%
Capital	1 570.7	1 544.5	1 709.9	2 083.9	9.9%	13.2%	2 173.8	2 293.4	2 414.9	5.0%	16.0%
Water Trading Entity	1 570.7	1 544.5	1 709.9	2 083.9	9.9%	13.2%	2 173.8	2 293.4	2 414.9	5.0%	16.0%
Foreign governments and international organisations											
Current	188.2	187.5	110.6	208.2	3.4%	1.3%	219.9	232.0	244.8	5.5%	1.6%
Komati Basin Water Authority	188.2	187.5	110.6	208.2	3.4%	1.3%	219.9	232.0	244.8	5.5%	1.6%
Provinces and municipalities											
Municipalities											
Municipal bank accounts											
Capital	2 305.0	4 680.8	5 134.2	5 726.1	35.4%	34.0%	5 735.7	6 051.0	6 504.8	4.3%	42.8%
Regional bulk infrastructure grant	-	1 849.8	1 829.0	1 957.0	-	10.7%	2 066.4	2 180.0	2 343.5	6.2%	15.2%
Water services infrastructure grant	2 305.0	2 831.0	3 305.2	3 769.1	17.8%	23.3%	3 669.3	3 871.0	4 161.3	3.4%	27.5%

Table 36.11 Water Infrastructure Development expenditure trends and estimates by subprogramme and economic classification

Details of selected transfers and subsidies	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)		
	2015/16	2016/17	2017/18		2015/16 - 2018/19	Average: Expenditure/ Total (%)	2019/20	2020/21	2021/22	2018/19 - 2021/22	Average: Expenditure/ Total (%)	
	R million											
Public corporations and private enterprises												
Public corporations												
Other transfers to public corporations												
Capital	801.7	844.8	1 022.3	694.7	-4.7%	6.4%	782.9	825.8	871.3	7.8%	5.7%	
Amatola Water board: Regional bulk infrastructure	169.1	–	88.6	92.4	-18.2%	0.7%	185.0	–	–	-100.0%	0.5%	
Magalies Water board: Regional bulk infrastructure	150.0	142.8	52.2	36.0	-37.9%	0.7%	65.4	100.0	105.5	43.1%	0.5%	
Umgeni Water board: Regional bulk infrastructure	279.1	423.0	518.4	132.3	-22.0%	2.6%	320.0	590.8	623.3	67.6%	3.0%	
Sedibeng Water board: Regional bulk infrastructure	203.5	279.0	363.2	434.0	28.7%	2.4%	212.5	135.0	142.4	-31.0%	1.6%	

1. Estimates of National Expenditure data tables are available and can be downloaded from www.treasury.gov.za. These data tables contain detailed information by goods and services, and transfers and subsidies item by programme.

Programme 4: Water Sector Regulation

Programme purpose

Ensure the development, implementation, monitoring and review of regulations across the water supply value chain.

Objectives

- Create an enabling environment for the economic and social regulation of water by establishing an independent economic regulator, implementing pricing regulations for water services, and finalising the gazetting and monitoring of the raw water pricing strategy by March 2022.
- Improve the efficiency and effectiveness of water resource management by establishing 7 catchment management agencies countrywide by March 2022.
- Ensure the equitable allocation of water resources for social and economic development by processing 80 per cent of water use authorisation applications within 300 working days of receipt by March 2022.
- Strengthen oversight on an ongoing basis by implementing monitoring programmes for drinking water quality, wastewater quality and mine water quality; and implementing mitigation measures in catchments with potential for acid mine drainage.
- Ensure the protection of water resources by coordinating and monitoring compliance with standards, licence conditions and regulations across all sectors on an ongoing basis.
- Ensure the effective enforcement of compliance with water legislation on an ongoing basis by monitoring water use, conducting investigations and providing legal support in cases of unlawful water use.

Subprogrammes

- *Water Sector Regulation Management and Support* provides strategic leadership and overall management to the programme.
- *Economic and Social Regulation* ensures that pricing is efficient, equitable and cost reflective to protect the interests of consumers and the sector through the provision of sustainable water resources and water services.
- *Water Use Authorisation and Administration* enables efficient and equitable access to water using various regulatory instruments.
- *Water Supply Services and Sanitation Regulation* regulates the provision of drinking water and the management of wastewater.

- *Compliance Monitoring and Enforcement* coordinates and monitors compliance with standards in the value chain of the water sector, licence conditions and regulations; and ensures enforcement against non-compliance. This includes the management of mine water.
- *Institutional Oversight* provides institutional governance and oversight of all water institutions, and facilitates their establishment and development.

Expenditure trends and estimates

Table 36.12 Water Sector Regulation expenditure trends and estimates by subprogramme and economic classification

Subprogramme	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	
	2015/16	2016/17	2017/18		2018/19	2015/16 - 2018/19	2019/20	2020/21	2021/22	2018/19 - 2021/22	Average Expenditure/ Total (%)
R million											
Water Sector Regulation Management and Support	34.1	37.3	28.3	27.6	-6.8%	10.6%	40.1	42.3	44.7	17.4%	9.2%
Economic and Social Regulation	12.3	28.4	16.0	21.7	20.7%	6.6%	35.6	34.6	33.2	15.3%	7.5%
Water Use Authorisation and Administration	44.4	58.5	75.7	40.5	-3.0%	18.3%	81.7	80.6	86.5	28.8%	17.3%
Water Supply Services and Sanitation Regulation	15.7	20.3	12.1	11.4	-10.2%	5.0%	17.8	22.9	24.5	29.1%	4.6%
Compliance Monitoring and Enforcement	83.5	86.9	99.2	103.9	7.6%	31.2%	135.8	145.3	152.2	13.6%	32.1%
Institutional Oversight	70.9	76.9	76.7	113.7	17.0%	28.3%	151.6	114.1	112.2	-0.4%	29.4%
Total	260.9	308.2	308.1	318.7	6.9%	100.0%	462.6	439.9	453.3	12.5%	100.0%
Change to 2018 Budget estimate				(179.9)			0.8	-	-		
Economic classification											
Current payments	255.7	295.2	303.4	306.9	6.3%	97.1%	449.2	427.8	441.5	12.9%	97.1%
Compensation of employees	175.8	165.9	233.5	239.7	10.9%	68.1%	259.2	277.8	295.8	7.3%	64.0%
Goods and services ¹	79.9	129.3	70.0	67.3	-5.6%	29.0%	190.0	150.1	145.6	29.4%	33.0%
<i>of which:</i>											
Computer services	0.5	0.2	-	0.1	-43.7%	0.1%	12.2	11.6	12.2	408.7%	2.2%
Consultants: Business and advisory services	20.1	37.3	20.2	10.6	-19.0%	7.4%	112.6	59.7	48.6	65.9%	13.8%
Laboratory services	0.6	1.6	0.8	0.1	-42.3%	0.3%	4.7	3.5	5.2	250.9%	0.8%
Consumable supplies	1.4	1.2	2.2	1.2	-4.0%	0.5%	3.8	4.3	4.5	55.2%	0.8%
Consumables: Stationery, printing and office supplies	3.0	3.9	1.9	2.5	-6.2%	0.9%	3.5	4.5	4.8	24.7%	0.9%
Travel and subsistence	19.8	43.9	30.3	3.8	-42.5%	8.2%	28.3	35.8	40.0	119.9%	6.4%
Transfers and subsidies¹	1.0	5.2	0.2	2.0	29.0%	0.7%	0.8	0.8	0.8	-25.6%	0.3%
Departmental agencies and accounts	-	2.0	-	-	-	0.2%	-	-	-	-	-
Non-profit institutions	-	0.8	0.1	1.0	-	0.2%	-	-	-	-100.0%	0.1%
Households	1.0	2.4	0.2	1.0	3.1%	0.4%	0.8	0.8	0.8	-7.0%	0.2%
Payments for capital assets	4.3	7.8	4.4	9.7	31.3%	2.2%	12.6	11.3	11.0	4.3%	2.7%
Buildings and other fixed structures	-	-	-	0.1	-	-	-	-	-	-100.0%	-
Machinery and equipment	4.3	7.8	4.4	9.7	31.0%	2.2%	12.6	11.3	11.0	4.5%	2.7%
Total	260.9	308.2	308.1	318.7	6.9%	100.0%	462.6	439.9	453.3	12.5%	100.0%
Proportion of total programme expenditure to vote expenditure	1.7%	2.0%	2.0%	1.9%	-	-	2.8%	2.5%	2.4%	-	-

1. Estimates of National Expenditure data tables are available and can be downloaded from www.treasury.gov.za. These data tables contain detailed information by goods and services, and transfers and subsidies item by programme.

Entities

Consolidated water boards

Mandate

The water boards derive their mandate from the Water Services Act (1997) and are categorised as national government business enterprises in terms of schedule 3B of the Public Finance Management Act (1999). There are 9 water boards that provide bulk potable water services to the municipalities in which they operate, and to other water service institutions and major customers within designated service areas. Water boards vary considerably in size, activities, customer mix, revenue base and capacity.

Most of the older and more established water boards (such as Rand Water, Umgeni Water and Magalies Water) operate in areas where there are significant urban development nodes, whereas other boards operate in more

demographically diverse areas, with a combination of urban and rural customers. In addition to providing bulk treated water to municipalities, in some cases, the boards also provide retail water and sanitation services on behalf of municipalities.

Selected performance indicators

Table 36.13 Consolidated water boards indicators by programme/objective/activity and related outcome

Indicator	Programme/Objective/Activity	MTSF outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Volume of bulk water sales by Amatola Water board per year ¹	Water board activities	Outcome 6: An efficient, competitive and responsive economic infrastructure network	33 630	33 208	33 208	31 708	34 347	36 148	39 037
Volume of bulk water sales by Bloem Water board per year ¹	Water board activities		79 993	74 922	77 937	92 323	93 246	94 179	95 121
Volume of bulk water sales by Lepelle Northern Water board per year ¹	Water board activities		97 809	89 388	93 813	93 813	96 979	96 979	96 979
Volume of bulk water sales by Magalies Water board per year ¹	Water board activities		81 959	83 221	90 595	90 678	91 200	92 500	93 600
Volume of bulk water sales by Mhlatuze Water board per year	Water board activities		55 305	42 067	43 352	85 136	85 369	85 136	85 136
Volume of bulk water sales by Overberg Water board per year ¹	Water board activities		4 253	4 126	3 445	3 841	3 937	4 036	4 137
Volume of bulk water sales by Rand Water board per year ¹	Water board activities		1 709 519	1 611 234	1 534 860	1 558 555	1 586 609	1 614 375	1 642 626
Volume of bulk water sales by Sedibeng Water board per year ¹	Water board activities		117 562	115 433	118 299	122 551	124 177	125 664	127 117
Volume of bulk water sales by Umgeni Water board per year ¹	Water board activities		435 726	409 887	434 568	451 729	478 599	488 578	495 413

1. Measured in thousand kilolitres.

Expenditure analysis

The focus of the water boards over the medium term will continue to be on the extraction and purification of raw water into potable bulk water that will be supplied to their various clients, which include municipalities, industries and mines. To this extent, the 9 water boards expect to provide 7.7 trillion litres of water over the period ahead. The boards will also concentrate on the development of infrastructure, job creation and wastewater treatment services in their areas of jurisdiction.

In terms of extracting and purifying raw water into potable bulk water, Rand Water's bulk activities account for 67.4 per cent (R37.3 billion) of total spending, while Umgeni Water's bulk activities account for 8.7 per cent (R4.8 billion). These water boards continue to be the largest in terms of the supply of volumes of water and overall expenditure. Expenditure on bulk activities is expected to increase at an average annual rate of 10.9 per cent, from R14.9 billion in 2018/19 to R20.4 billion in 2021/22, mainly due to the increasing costs of energy to pump water and chemicals for purifying water, as well as labour costs and the price of raw water.

Over the medium term, the water boards are expected to derive R87.4 billion of their revenue from water sales. Total revenue is expected to increase at an average annual rate of 11 per cent, from R24.1 billion in 2018/19 to R33 billion in 2021/22. Other non-tax revenue and interest, dividends, and rent on land account for the remaining revenue over the medium term.

Programmes/Objectives/Activities

Table 36.14 Consolidated water boards expenditure trends and estimates by programme/objective/activity

R million	Audited outcome			Revised estimate 2018/19	Average growth rate (%) 2015/16 - 2018/19	Average Expenditure/Total (%) 2015/16 - 2018/19	Medium-term expenditure estimate			Average growth rate (%) 2018/19 - 2021/22	Average Expenditure/Total (%) 2018/19 - 2021/22
	2015/16	2016/17	2017/18				2019/20	2020/21	2021/22		
Administration	3 319.4	3 860.1	3 916.3	4 499.0	10.7%	0.0%	4 835.5	5 224.4	5 400.0	6.3%	0.0%
Bulk activities	11 348 361.2	12 127 731.5	13 066 841.6	14 911 795.2	9.5%	100.0%	16 543 947.5	18 356 658.5	20 360 120.9	10.9%	100.0%
Total	11 351 680.7	12 131 591.6	13 070 757.9	14 916 294.2	9.5%	100.0%	16 548 783.0	18 361 882.9	20 365 520.9	10.9%	100.0%

Statements of historical financial performance and position

Table 36.15 Consolidated water boards statements of historical financial performance and position

Statement of financial performance									
R million	Audited outcome		Audited outcome		Audited outcome		Budget estimate		Average Outcome/Budget (%) 2015/16 - 2018/19
	Budget	2015/16	Budget	2016/17	Budget	2017/18	Budget estimate	Revised estimate	
Revenue									
Non-tax revenue	17 962.5	18 074.3	18 089.1	19 357.3	21 371.3	21 510.9	23 534.3	24 107.5	102.6%
Sale of goods and services other than capital assets	17 213.0	16 966.8	17 651.7	18 527.7	20 871.5	20 615.2	23 020.9	23 622.0	101.2%
<i>of which:</i>									
Administrative fees	17.2	127.9	44.3	148.5	107.7	71.2	126.8	153.6	169.3%
Sales of bulk water	17 135.1	16 838.9	17 566.5	18 379.1	20 726.5	20 544.0	22 871.2	23 468.5	101.2%
Other sales	60.7	—	40.9	—	37.3	—	22.9	—	—
Other non-tax revenue	749.5	1 107.6	437.4	829.6	499.7	895.7	513.4	485.4	150.8%
Transfers received	13.9	—	—	—	—	—	—	92.4	664.1%
Total revenue	17 976.4	18 074.3	18 089.1	19 357.3	21 371.3	21 510.9	23 534.3	24 199.9	102.7%
Expenses									
Current expenses	1 915.3	14 573.1	1 985.1	15 882.3	2 228.2	16 918.2	18 783.4	19 305.9	267.7%
Compensation of employees	437.7	3 170.5	496.3	3 545.3	550.4	3 817.3	3 988.7	4 069.5	266.8%
Goods and services	1 271.2	10 482.8	1 237.8	11 053.1	1 335.8	11 722.3	13 435.9	13 702.2	271.8%
Depreciation	76.7	807.8	228.9	1 063.0	275.8	1 195.5	1 247.9	1 345.9	241.2%
Interest, dividends and rent on land	129.6	112.0	22.0	220.8	66.3	183.2	110.9	188.3	214.2%
Transfers and subsidies	—	94.7	106.8	105.6	117.7	64.9	128.2	104.9	104.9%
Total expenses	1 915.3	14 667.8	2 091.9	15 987.9	2 345.9	16 983.1	18 911.6	19 410.8	265.4%
Surplus/(Deficit)	16 061.0	3 407.0	15 997.0	3 369.0	19 025.0	4 528.0	4 623.0	4 789.0	
Statement of financial position									
Carrying value of assets	29 622.7	31 787.4	37 954.5	38 107.5	42 567.1	40 945.3	49 535.0	47 630.8	99.2%
<i>of which:</i>									
Acquisition of assets	(6 461.7)	(5 829.0)	(6 109.5)	(4 790.7)	(6 473.0)	(3 620.6)	(7 831.3)	(7 950.4)	82.6%
Investments	2 171.6	2 954.0	1 729.9	2 718.1	2 518.5	3 560.0	2 175.0	2 840.3	140.5%
Inventory	186.9	237.4	216.8	525.0	234.3	611.6	250.1	586.0	220.7%
Loans	4.6	5.2	85.1	4.6	5.1	4.1	5.1	4.5	18.4%
Accrued investment interest	—	28.4	28.4	35.6	28.4	44.0	28.4	38.0	171.4%
Receivables and prepayments	3 998.0	5 928.1	4 673.7	7 367.8	5 123.0	8 367.4	5 117.3	7 581.8	154.6%
Cash and cash equivalents	2 325.6	2 733.1	2 466.7	1 876.7	2 833.3	2 954.6	3 462.2	3 021.6	95.5%
Non-current assets held for sale	1.5	0.4	—	0.5	—	2.4	—	—	221.5%
Defined benefit plan assets	—	30.1	45.4	58.9	61.9	80.3	37.9	45.6	148.1%
Taxation	—	—	—	40.1	—	45.4	—	—	—
Total assets	38 311.0	43 704.1	47 200.4	50 734.8	53 371.5	56 615.0	60 610.8	61 748.7	106.7%
Accumulated surplus/(deficit)	20 056.8	22 671.0	25 397.7	29 022.4	29 848.8	33 872.9	34 586.9	37 420.7	111.9%
Capital and reserves	3 555.7	3 631.6	4 039.8	3 456.8	4 535.9	3 425.4	5 290.0	4 124.5	84.0%
Capital reserve fund	—	212.7	70.2	116.6	70.2	70.2	70.2	919.4	626.1%
Borrowings	6 646.3	6 980.6	7 771.8	6 793.3	7 565.8	6 610.2	8 635.9	7 623.6	91.5%
Finance lease	0.4	0.1	1.3	20.6	—	12.9	—	—	1 993.5%
Accrued interest	59.7	58.9	58.2	57.5	56.8	56.0	54.3	76.0	108.4%
Deferred income	1 643.8	1 655.2	2 125.9	2 606.3	2 562.7	3 247.4	2 958.7	1 434.9	96.3%
Trade and other payables	5 184.4	7 424.8	6 683.9	7 543.4	7 377.3	8 155.4	7 559.2	7 299.4	113.5%
Benefits payable	1.2	—	1.5	—	1.6	1.1	1.8	—	18.3%
Taxation	7.1	43.8	7.1	—	6.5	1.4	7.0	8.4	193.6%
Provisions	1 152.2	956.7	967.4	1 005.5	1 139.4	992.1	1 235.7	2 648.5	124.7%
Managed funds (e.g. poverty alleviation fund)	—	—	5.0	—	—	—	—	—	—
Derivatives financial instruments	3.2	68.7	70.6	112.3	106.3	169.9	111.3	193.3	186.8%
Total equity and liabilities	38 311.0	43 704.1	47 200.4	50 734.8	53 271.5	56 615.0	60 510.8	61 748.7	106.8%

Statements of estimates of financial performance and position

Table 36.16 Consolidated water boards statements of estimates of financial performance and position

Statement of financial performance		Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
Revised estimate	2018/19	2015/16 - 2018/19	2019/20	2020/21	2021/22	2018/19 - 2021/22	2018/19 - 2021/22	
R million								
Revenue								
Non-tax revenue	24 107.5	10.1%	99.9%	26 856.4	29 930.7	33 006.0	11.0%	99.7%
Sale of goods and services other than capital assets	23 622.0	11.7%	95.8%	26 200.7	29 086.3	32 102.4	10.8%	97.2%
<i>of which:</i>								
Administrative fees	153.6	6.3%	0.6%	118.5	123.7	129.3	-5.6%	0.5%
Sales of bulk water	23 468.5	11.7%	95.1%	26 082.2	28 962.6	31 973.0	10.9%	96.8%
Other non-tax revenue	485.4	-24.0%	4.1%	655.7	844.3	903.7	23.0%	2.5%
Transfers received	92.4	-	0.1%	185.0	-	-	-100.0%	0.3%
Total revenue	24 199.9	10.2%	100.0%	27 041.4	29 930.7	33 006.0	10.9%	100.0%
Expenses								
Current expenses	19 305.9	9.8%	99.4%	21 254.8	23 445.4	25 612.3	9.9%	99.4%
Compensation of employees	4 069.5	8.7%	21.8%	4 330.9	4 677.1	5 041.6	7.4%	20.2%
Goods and services	13 702.2	9.3%	70.1%	15 120.0	16 618.2	18 249.3	10.0%	70.7%
Depreciation	1 345.9	18.6%	6.5%	1 519.5	1 690.2	1 863.4	11.5%	7.1%
Interest, dividends and rent on land	188.3	18.9%	1.0%	284.4	459.9	458.1	34.5%	1.5%
Transfers and subsidies	104.9	3.5%	0.6%	124.6	135.7	147.8	12.1%	0.6%
Total expenses	19 410.8	9.8%	100.0%	21 379.4	23 581.1	25 760.1	9.9%	100.0%
Surplus/(Deficit)	4 789.0			5 662.0	6 350.0	7 246.0		
Statement of financial position								
Carrying value of assets	47 630.8	14.4%	74.3%	56 749.8	66 056.3	73 846.2	15.7%	79.1%
<i>of which:</i>								
Acquisition of assets	(7 950.4)	10.9%	-10.5%	(10 531.3)	(9 748.0)	(9 071.3)	4.5%	-12.3%
Investments	2 840.3	-1.3%	5.8%	3 972.6	4 218.8	4 106.6	13.1%	4.9%
Inventory	586.0	35.1%	0.9%	614.5	640.8	676.8	4.9%	0.8%
Loans	4.5	-4.2%	0.0%	4.5	4.5	4.5	-0.5%	0.0%
Accrued investment interest	38.0	10.2%	0.1%	38.0	38.0	38.0	-	0.1%
Receivables and prepayments	7 581.8	8.5%	13.8%	7 381.4	7 250.9	7 159.3	-1.9%	9.8%
Cash and cash equivalents	3 021.6	3.4%	5.0%	3 903.7	4 735.3	4 711.4	16.0%	5.3%
Defined benefit plan assets	45.6	14.8%	0.1%	45.6	45.6	45.6	-	0.1%
Total assets	61 748.7	12.2%	100.0%	72 710.0	82 990.1	90 588.3	13.6%	100.0%
Accumulated surplus/(deficit)	37 420.7	18.2%	57.4%	42 780.0	49 065.3	56 213.9	14.5%	60.2%
Capital and reserves	4 124.5	4.3%	7.0%	4 124.6	4 194.9	4 195.0	0.6%	5.5%
Capital reserve fund	919.4	62.9%	0.6%	1 183.9	1 375.4	1 505.4	17.9%	1.6%
Borrowings	7 623.6	3.0%	13.3%	11 699.1	14 216.9	14 180.5	23.0%	15.3%
Accrued interest	76.0	8.9%	0.1%	77.0	55.4	55.3	-10.0%	0.1%
Deferred income	1 434.9	-4.6%	4.2%	1 421.9	1 733.7	1 723.6	6.3%	2.1%
Trade and other payables	7 299.4	-0.6%	14.5%	7 705.2	7 833.3	7 955.9	2.9%	10.2%
Taxation	8.4	-42.4%	0.0%	9.2	9.6	10.1	6.4%	0.0%
Provisions	2 648.5	40.4%	2.6%	3 511.2	4 387.0	4 630.5	20.5%	4.9%
Derivatives financial instruments	193.3	41.2%	0.2%	198.1	118.5	118.0	-15.2%	0.2%
Total equity and liabilities	61 748.7	12.2%	100.0%	72 710.0	82 990.1	90 588.3	13.6%	100.0%

Rand Water

Mandate

Rand Water was established in terms of the Water Services Act (1997) and is listed as a schedule 3B public entity in terms of the Public Finance Management Act (1999). The core mandate of the entity is to abstract raw water from the Vaal River system; and treat, transport, store and deliver potable water to municipalities, mines and industries in and around Gauteng. The entity's supply of water also extends to areas in Limpopo, North West, Mpumalanga and northern Free State, serving between 16 million and 19 million people. An estimated 98 per cent of its water is abstracted from the Vaal River system.

Selected performance indicators

Table 36.17 Rand Water performance indicators by programme/objective/activity and related outcome

Indicator	Programme/Objective/Activity	MTSF Outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Net debt to equity ratio per year	Administration	Outcome 6: An efficient, competitive and responsive economic infrastructure network	0.3	0.3	0.23	0.3	0.3	0.3	0.3
Debt service ratio per year	Administration		6.9	9.2	7.7	8.1	9	3.1	10.9

Table 36.17 Rand Water performance indicators by programme/objective/activity and related outcome

Indicator	Programme/Objective/Activity	MTSF Outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Cost of debt per year ¹	Administration	Outcome 6: An efficient, competitive and responsive economic infrastructure network	9.9% (405 320/ 4 078 735)	9.9% (438 042/ 4 409 718)	9.9% (436 515/ 4 410 142)	9.9% (444 180/ 4 424 319)	10%	10%	10%
Avoidable water loss as a percentage of total water produced (non-revenue water) per year	Bulk water		3.7% (4 424/ 120 666)	3.5% (4 562/ 129 645)	4% (5 613/ 139 171)	4%	4%	4%	4%
Cost per kilolitre per year			R5.20	R7.56	R8.33	R9.35	R10.26	R11.24	R12.25
Volume of water sold (average per year) ²			709 519	1 611 234	1 534 860	1 558 555	1 586 609	1 614 375	1 642 626

1. Measured in rand thousand.

2. Measured in thousand kilolitres.

Expenditure analysis

Rand Water's main activities include the abstraction and purification of raw water and the delivery of bulk water to its bulk customers, which include municipalities and industries in Gauteng, Limpopo, North West, Mpumalanga and Free State. The provision of bulk water is expected to account for R37.3 billion of the entity's total expenditure over the medium term. Expenditure relating to the provision of bulk water is largely dependent on the costs of energy and chemicals, which is expected to increase faster than inflation. As such, spending on goods and services increases at an average annual rate of 11.3 per cent, from R9.2 billion in 2018/19 to R12.7 billion in 2021/22. This increase is expected to drive an increase in expenditure on bulk water at an average annual rate of 11.9 per cent, from R9.8 billion in 2018/19 to R13.8 billion in 2021/22, as the entity expects to deliver 1.6 trillion litres of potable water to water service providers and authorities each year of the MTEF period. The entity's work on phases 1 and 2 of the Zuikerbosch pumping station 5 augmentation scheme is expected to cost R1.7 billion over the medium term. Phases 1 and 2 of the scheme involve the extension of existing infrastructure to cater for increased demand.

Spending on compensation of employees accounts for an estimated R7 billion of total expenditure over the period, increasing at an average annual rate of 8.3 per cent, from R2 billion in 2018/19 to R2.5 billion in 2021/22. This is mainly due to the entity increasing its number of personnel by 252 by 2021/22. Most of the new personnel will be employed at the unskilled and semi-skilled levels at the Zuikerbosch pumping station 5. Rand Water derives revenue mainly from water sales and the provision of professional advisory services to municipalities. Total revenue is expected to increase at an average annual rate of 11.4 per cent, from R15.3 billion in 2018/19 to R21.1 billion in 2021/22, as a result of an expected increase in tariffs from R9.35 per kilolitre in 2018/19 to R12.25 per kilolitre in 2021/22.

Programmes/Objectives/Activities

Table 36.18 Rand Water expenditure trends and estimates by programme/objective/activity

R million	Audited outcome			Revised estimate	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2015/16	2016/17	2017/18				2018/19	2015/16 - 2018/19	2019/20		
Administration	1 509.2	1 790.2	1 740.2	1 930.3	8.5%	16.9%	1 931.8	2 065.6	2 223.7	4.8%	14.7%
Bulk water	7 470.4	7 916.1	8 611.4	9 848.7	9.7%	81.7%	11 105.7	12 376.5	13 783.9	11.9%	84.6%
Secondary activities	146.2	150.6	186.0	78.4	-18.8%	1.4%	82.6	100.8	125.3	16.9%	0.7%
Total	9 125.8	9 857.0	10 537.6	11 857.4	9.1%	100.0%	13 120.2	14 543.0	16 132.9	10.8%	100.0%

Statements of historical financial performance and position

Table 36.19 Rand Water statements of historical financial performance and position

Statement of financial performance										Average: Outcome/Budget (%)
R million	Audited outcome		Audited outcome		Audited outcome		Budget estimate	Revised estimate	2015/16 - 2018/19	
	Budget	outcome	Budget	outcome	Budget	outcome	2018/19			
	2015/16		2016/17		2017/18		2018/19			
Revenue										
Non-tax revenue	11 742.3	11 256.4	10 909.3	12 231.8	13 613.7	13 692.8	15 090.7	15 288.0	102.2%	
Sale of goods and services other than capital assets of which:	11 248.3	10 950.9	10 712.0	11 856.8	13 366.1	13 328.8	14 811.2	15 103.0	102.2%	
Sales of bulk water	11 248.3	10 950.9	10 712.0	11 856.8	13 366.1	13 328.8	14 811.2	15 103.0	102.2%	
Other non-tax revenue	494.0	305.5	197.3	374.9	247.6	364.0	279.5	185.0	100.9%	
Total revenue	11 742.3	11 256.4	10 909.3	12 231.8	13 613.7	13 692.8	15 090.7	15 288.0	102.2%	

Table 36.19 Rand Water statements of historical financial performance and position

Statement of financial performance									
R million	Audited		Audited		Audited		Budget	Revised	Average: Outcome/ Budget (%)
	Budget	outcome	Budget	outcome	Budget	outcome	estimate	estimate	
	2015/16		2016/17		2017/18		2018/19		2015/16 - 2018/19
Expenses									
Current expenses	10 128.1	9 125.8	8 982.1	9 857.0	10 573.3	10 537.6	11 696.4	11 857.4	100.0%
Compensation of employees	1 682.1	1 724.0	1 813.1	1 837.3	1 920.3	1 964.7	2 070.1	1 988.2	100.4%
Goods and services	7 982.4	6 969.2	6 703.9	7 400.2	8 146.2	7 944.9	9 063.0	9 211.5	98.8%
Depreciation	463.6	360.5	433.0	438.5	463.1	481.7	563.2	551.9	95.3%
Interest, dividends and rent on land	–	72.2	32.2	181.0	43.8	146.3	–	105.8	665.5%
Total expenses	10 128.1	9 125.8	8 982.1	9 857.0	10 573.3	10 537.6	11 696.4	11 857.4	100.0%
Surplus/(Deficit)	1 614.0	2 131.0	1 927.0	2 375.0	3 040.0	3 155.0	3 394.0	3 431.0	
Statement of financial position									
Carrying value of assets	14 835.6	17 988.5	20 727.4	20 117.6	23 708.0	21 735.4	28 134.7	26 008.2	98.2%
<i>of which:</i>									
<i>Acquisition of assets</i>	(2 579.7)	(2 914.3)	(2 722.7)	(2 207.5)	(3 331.3)	(1 753.2)	(4 486.0)	(4 186.1)	84.3%
Investments	482.3	461.7	389.8	466.0	354.9	463.9	393.5	402.3	110.7%
Inventory	122.5	129.7	137.3	409.7	144.1	485.4	151.9	453.8	266.0%
Loans	4.6	5.2	5.1	4.6	5.1	4.1	5.1	4.5	92.3%
Receivables and prepayments	1 765.1	1 934.7	1 825.0	2 244.5	2 036.8	2 482.0	2 269.1	2 754.1	119.2%
Cash and cash equivalents	1 154.1	1 470.2	1 045.0	780.2	1 473.5	1 770.1	1 829.8	1 842.9	106.6%
Non-current assets held for sale	1.5	0.4	–	0.5	–	2.4	–	–	221.5%
Defined benefit plan assets	–	–	21.4	10.4	37.9	15.6	37.9	45.6	73.8%
Total assets	18 365.6	21 990.3	24 151.0	24 033.5	27 760.3	26 958.9	32 821.9	31 511.3	101.4%
Accumulated surplus/(deficit)	11 158.5	13 235.8	15 272.3	15 688.8	18 664.6	18 868.5	22 058.9	22 189.1	104.2%
Borrowings	3 675.2	4 418.7	4 815.6	4 414.7	4 431.5	4 393.4	5 591.5	4 997.9	98.4%
Deferred income	170.2	427.4	503.6	401.0	528.5	401.5	557.1	444.2	95.1%
Trade and other payables	2 970.5	3 834.0	3 458.2	3 459.8	4 012.8	3 221.5	4 485.7	3 763.1	95.7%
Provisions	391.2	8.9	30.7	–	46.8	–	46.8	35.1	8.6%
Derivatives financial instruments	–	65.5	70.6	69.2	76.0	74.1	81.9	81.9	127.2%
Total equity and liabilities	18 365.6	21 990.3	24 151.0	24 033.5	27 760.3	26 958.9	32 821.9	31 511.3	101.4%

Statements of estimates of financial performance and position**Table 36.20 Rand Water statements of estimates of financial performance and position**

Statement of financial performance									
R million	Revised	Average	Average:	Medium-term estimate			Average	Average:	
	estimate	growth	Expen- diture/ Total	2019/20	2020/21	2021/22	growth	Expen- diture/ Total	
	2018/19	rate	Total	2018/19 - 2021/22			rate	Total	
		(%)	(%)				(%)	(%)	
Revenue									
Non-tax revenue	15 288.0	10.7%	100.0%	17 086.9	19 104.1	21 148.5	11.4%	100.0%	
Sale of goods and services other than capital assets	15 103.0	11.3%	97.6%	16 845.9	18 755.5	20 741.0	11.2%	98.4%	
<i>of which:</i>									
<i>Sales of bulk water</i>	15 103.0	11.3%	97.6%	16 845.9	18 755.5	20 741.0	11.2%	98.4%	
Other non-tax revenue	185.0	-15.4%	2.4%	241.0	348.5	407.5	30.1%	1.6%	
Total revenue	15 288.0	10.7%	100.0%	17 086.9	19 104.1	21 148.5	11.4%	100.0%	
Expenses									
Current expenses	11 857.4	9.1%	100.0%	13 120.2	14 543.0	16 132.9	10.8%	100.0%	
Compensation of employees	1 988.2	4.9%	18.2%	2 150.1	2 325.4	2 522.9	8.3%	16.2%	
Goods and services	9 211.5	9.7%	76.1%	10 290.0	11 417.7	12 686.1	11.3%	78.3%	
Depreciation	551.9	15.3%	4.4%	680.1	799.9	923.9	18.7%	5.3%	
Interest, dividends and rent on land	105.8	13.6%	1.2%	–	–	–	-100.0%	0.2%	
Total expenses	11 857.4	9.1%	100.0%	13 120.2	14 543.0	16 132.9	10.8%	100.0%	
Surplus/(Deficit)	3 431.0			3 967.0	4 561.0	5 016.0			
Statement of financial position									
Carrying value of assets	26 008.2	13.1%	82.2%	32 108.8	37 988.2	43 431.8	18.6%	84.1%	
<i>of which:</i>									
<i>Acquisition of assets</i>	(4 186.1)	12.8%	-10.6%	(6 181.0)	(5 807.0)	(5 492.0)	9.5%	-13.3%	
Investments	402.3	-4.5%	1.8%	449.0	500.3	553.5	11.2%	1.2%	
Inventory	453.8	51.8%	1.4%	478.3	505.6	534.4	5.6%	1.2%	
Loans	4.5	-4.2%	0.0%	4.5	4.5	4.5	-0.5%	0.0%	
Receivables and prepayments	2 754.1	12.5%	9.0%	2 864.0	2 860.7	2 814.9	0.7%	7.0%	
Cash and cash equivalents	1 842.9	7.8%	5.6%	2 510.3	3 213.0	2 988.3	17.5%	6.4%	
Defined benefit plan assets	45.6	–	0.1%	45.6	45.6	45.6	–	0.1%	
Total assets	31 511.3	12.7%	100.0%	38 460.5	45 117.8	50 372.9	16.9%	100.0%	
Accumulated surplus/(deficit)	22 189.1	18.8%	66.5%	26 155.8	30 716.9	35 735.9	17.2%	69.4%	
Borrowings	4 997.9	4.2%	17.7%	7 347.6	9 304.8	9 304.4	23.0%	18.5%	
Deferred income	444.2	1.3%	1.6%	468.2	494.9	523.1	5.6%	1.2%	
Trade and other payables	3 763.1	-0.6%	13.9%	4 365.6	4 566.2	4 774.5	8.3%	10.7%	
Provisions	35.1	57.8%	0.0%	35.1	35.1	35.1	–	0.1%	
Derivatives financial instruments	81.9	7.7%	0.3%	88.2	–	–	-100.0%	0.1%	
Total equity and liabilities	31 511.3	12.7%	100.0%	38 460.5	45 117.8	50 372.9	16.9%	100.0%	

Personnel information

Table 36.21 Rand Water personnel numbers and cost by salary level

Number of posts estimated for 31 March 2019		Number and cost ¹ of personnel posts filled/planned for on funded establishment										Number							
Number of funded posts	Number of posts on approved establishment	Actual			Revised estimate			Medium-term expenditure estimate				Average growth rate (%)	Average: Salary level/Total (%)						
		2017/18		Unit cost	2018/19		Unit cost	2019/20		Unit cost	2020/21			Unit cost	2021/22		Unit cost		
Rand Water		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	2018/19 - 2021/22		
Salary level	3 636	3 636	3 417	1 964.7	0.6	3 636	1 988.2	0.5	3 734	2 150.1	0.6	3 819	2 325.4	0.6	3 888	2 522.9	0.6	8.3%	100.0%
1 – 6	314	314	243	148.4	0.6	314	105.5	0.3	360	179.8	0.5	394	265.2	0.7	420	311.2	0.7	43.4%	9.8%
7 – 10	2 688	2 688	2 540	1 057.8	0.4	2 688	1 104.4	0.4	2 740	1 155.7	0.4	2 791	1 208.3	0.4	2 834	1 297.7	0.5	5.5%	73.3%
11 – 12	365	365	365	347.5	1.0	365	362.8	1.0	365	379.6	1.0	365	396.9	1.1	365	426.3	1.2	5.5%	9.7%
13 – 16	257	257	257	368.8	1.4	257	383.3	1.5	257	401.1	1.6	257	419.4	1.6	257	450.3	1.8	5.5%	6.8%
17 – 22	12	12	12	42.2	3.5	12	32.3	2.7	12	33.9	2.8	12	35.6	3.0	12	37.4	3.1	5.0%	0.3%

1. Rand million.

Trans-Caledon Tunnel Authority

Mandate

The Trans-Caledon Tunnel Authority was established in 1986 as a specialised liability management entity. Its mandate is derived from the National Water Act (1998). It is responsible for financing and implementing the development of bulk raw water infrastructure, and providing treasury management services to the Department of Water and Sanitation. The authority plays an important role in the provision of financial advisory services (structuring and raising project finance, managing debt and setting tariffs), project implementation services, and other technical support to the department and water boards.

Selected performance indicators

Table 36.22 Trans-Caledon Tunnel Authority performance indicators by programme/objective/activity and related outcome

Indicator	Programme/Objective/Activity	MTSF outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Percentage of 40km pipeline completed	Olifants River water resource development project		99%	99%	100%	— ¹	— ¹	— ¹	— ¹
Milestones achieved towards the completion of 160km pipeline per year	Mokolo and Crocodile River water augmentation project	Outcome 6: An efficient, competitive and responsive economic infrastructure network	— ²	Transfer capacity determined	Professional service provider contract awarded	Environmental assessment report submitted to Department of Environmental Affairs	Facilitation of institutional and funding arrangements	20% of 160km completed	40% of 160km completed
Implementation of long-term solution for acid mine drainage	Acid mine drainage		— ²	— ²	Identify system receiving points for acid mine drainage	Professional service provider contract awarded	Facilitation of institutional and funding arrangements	Optimisation of scheme	Construction Commences
Milestones achieved towards the completion of 160km pipeline per year	Berg River-Voëlvelei augmentation project		— ²	— ²	Directive received	Construction contract awarded	Facilitation of institutional and funding arrangements	Construction commences	Construction completed

1. Project completed.

2. No historical data available.

Expenditure analysis

The Trans-Caledon Tunnel Authority is responsible for debt and risk management services. It ensures that strategic projects related to integrated water resources and infrastructure are efficiently and sustainably financed and implemented on behalf of the department. Over the medium term, the authority will prioritise the following projects: the augmentation and protection of water supply in the Vaal River system through phase 2 of the Lesotho Highlands water project, the long-term solution to acid mine drainage in Gauteng and phase 2A of the Mokolo and Crocodile River water augmentation project. As construction on these projects will commence over the medium term, spending on goods and services is expected to increase at an average annual rate of 24.8 per cent, from R4.1 billion in 2018/19 to R8.1 billion in 2021/22.

Phase 2A of the Mokolo and Crocodile River water augmentation project is aimed at providing additional water for domestic use, power generation, and coal mining in the Waterberg region in Limpopo. Construction of the main waterworks is expected to commence in 2020/21, driving an expected increase in expenditure at an average annual rate of 82.6 per cent, from R436.5 million in 2018/19 to R2.7 billion in 2021/22.

The authority will also continue to manage debt on the Vaal River system, the Berg water project, the Vaal River eastern subsystem augmentation project, the Komati water scheme augmentation project, phase 2 of the Mooi-Mgeni transfer scheme and the Mokolo and Crocodile River water augmentation project. The authority's overall debt is expected to decrease at an average annual rate of 1.8 per cent, from R26.7 billion in 2018/19 to R25.3 billion in 2021/22. This decrease is linked to the expected redemption of debt and the lack of significant new debt being acquired due to a conservative budgeting approach to capital expenditure.

The authority plans to increase its number of personnel from 195 in 2018/19 to 200 in 2021/22, resulting in an increase in spending on compensation of employees at an average annual rate of 10.6 per cent, from R238.1 million in 2018/19 to R322.4 million in 2021/22.

Programmes/Objectives/Activities

Table 36.23 Trans-Caledon Tunnel Authority expenditure trends and estimates by programme/objective/activity

R million	Audited outcome			Revised estimate	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2015/16	2016/17	2017/18				2018/19	2015/16 - 2018/19	2019/20		
Administration	4 206.9	3 631.8	4 064.1	6 165.3	13.6%	66.6%	9 273.8	4 720.6	6 839.6	3.5%	71.5%
Berg water project	88.1	90.8	87.2	116.4	9.7%	1.4%	61.7	52.3	46.7	-26.3%	0.8%
Vaal River eastern subsystem augmentation project	383.4	383.5	411.6	627.4	17.8%	6.7%	364.8	350.8	339.2	-18.5%	4.7%
Mooi-Mgeni transfer scheme	472.0	333.4	202.7	211.3	-23.5%	4.7%	187.3	162.8	147.6	-11.3%	2.0%
Olifants River water resource development project	304.2	140.2	203.1	73.1	-37.8%	2.8%	37.5	3.3	3.7	-63.1%	0.3%
Komati water scheme augmentation project	124.3	129.9	171.0	180.8	13.3%	2.3%	131.8	129.0	126.4	-11.2%	1.6%
Mokolo Crocodile water augmentation project	420.4	252.1	383.3	436.5	1.3%	5.5%	396.3	798.1	2 658.8	82.6%	11.2%
Acid mine drainage	1 145.4	390.7	362.8	843.4	-9.7%	9.8%	521.5	521.2	455.8	-18.5%	6.5%
Kriel	1.7	3.3	8.2	46.7	202.8%	0.2%	25.0	0.1	0.1	-86.9%	0.2%
Berg River Voelvlei augmentation project	-	-	-	30.7	-	0.1%	69.3	164.9	183.4	81.6%	1.3%
Total	7 146.2	5 355.7	5 894.0	8 731.7	6.9%	100.0%	11 069.1	6 903.0	10 801.3	7.3%	100.0%

Statements of historical financial performance and position

Table 36.24 Trans-Caledon Tunnel Authority statements of historical financial performance and position

Statement of financial performance									
R million	Audited outcome		Audited outcome		Audited outcome		Budget estimate	Revised estimate	Average: Outcome/Budget (%)
	Budget	2015/16	Budget	2016/17	Budget	2017/18	2018/19	2018/19	
Revenue									
Non-tax revenue	4 418.5	5 424.3	7 241.4	7 659.9	16 922.2	7 981.0	6 778.6	6 778.6	78.7%
Sale of goods and services other than capital assets	4 871.6	2 904.2	4 490.1	2 071.1	5 571.8	2 263.0	3 719.5	3 719.5	58.7%
of which:									
Construction revenue	4 871.6	2 904.2	4 490.1	2 071.1	5 571.8	2 263.0	3 719.5	3 719.5	58.7%
Other non-tax revenue	(453.1)	2 520.0	2 751.2	5 588.8	11 350.4	5 718.0	3 059.1	3 059.1	101.1%
Total revenue	4 418.5	5 424.3	7 241.4	7 659.9	16 922.2	7 981.0	6 778.6	6 778.6	78.7%
Expenses									
Current expenses	7 630.3	7 146.2	9 959.2	5 355.7	10 078.5	5 894.0	8 731.7	8 731.7	74.5%
Compensation of employees	212.0	168.2	241.7	170.7	208.2	168.0	220.5	238.1	84.4%
Goods and services	4 648.2	2 730.0	4 224.7	1 894.7	5 321.2	2 084.8	4 158.3	4 140.8	59.1%
Depreciation	11.4	6.1	23.7	5.7	7.9	9.8	15.1	15.1	63.1%
Interest, dividends and rent on land	2 758.7	4 242.0	5 469.1	3 284.6	4 541.2	3 631.4	4 337.8	4 337.8	90.6%
Total expenses	7 630.3	7 146.2	9 959.2	5 355.7	10 078.5	5 894.0	8 731.7	8 731.7	74.5%
Surplus/(Deficit)	(3 212.0)	(1 722.0)	(2 718.0)	2 304.0	6 844.0	2 087.0	(1 953.0)	(1 953.0)	

Table 36.24 Trans-Caledon Tunnel Authority statements of historical financial performance and position

Statement of financial position									
R million	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	Average: Outcome/Budget (%)
	2015/16		2016/17		2017/18		2018/19		2015/16 - 2018/19
Carrying value of assets	23.0	11.8	23.0	26.2	14.1	20.0	6.5	6.5	96.7%
<i>of which:</i>									
Acquisition of assets	(11.0)	(4.3)	–	(21.4)	–	(4.0)	(2.0)	(2.0)	243.6%
Investments	11 499.0	1 588.1	9 346.2	3 052.1	–	371.0	1 055.2	1 055.2	27.7%
Receivables and prepayments	36 127.7	25 929.5	29 489.5	27 389.4	35 598.8	29 249.0	25 072.5	25 072.5	85.2%
Cash and cash equivalents	–	3 118.3	–	2 558.9	8 012.4	3 849.0	4 256.5	4 256.5	112.3%
Taxation	–	40.7	–	2.1	–	–	–	–	–
Total assets	47 649.7	30 688.4	38 858.7	33 028.7	43 625.4	33 489.0	30 390.7	30 390.7	79.5%
Accumulated surplus/(deficit)	8 747.0	362.1	(2 596.3)	2 667.4	7 944.0	4 753.0	1 526.1	1 526.1	59.6%
Capital and reserves	–	–	–	–	34.5	–	–	–	–
Capital reserve fund	–	–	–	–	–	–	1 219.1	1 219.1	100.0%
Borrowings	38 129.3	28 439.9	40 849.5	28 741.0	33 184.7	27 149.0	26 706.6	26 706.6	80.0%
Trade and other payables	773.4	1 439.3	605.5	1 164.5	2 462.2	1 188.0	938.9	938.9	99.0%
Taxation	–	101.1	–	116.2	–	78.0	–	–	–
Provisions	–	343.5	–	339.6	–	321.0	–	–	–
Derivatives financial instruments	–	2.5	–	(0.0)	–	–	–	–	–
Total equity and liabilities	47 649.7	30 688.4	38 858.7	33 028.7	43 625.4	33 489.0	30 390.7	30 390.7	79.5%

Statements of estimates of financial performance and position**Table 36.25 Trans-Caledon Tunnel Authority statements of estimates of financial performance and position**

Statement of financial performance								
R million	Revised estimate	Average growth rate (%)	Average: Expenditure/Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/Total (%)
	2018/19	2015/16 - 2018/19		2019/20	2020/21	2021/22	2018/19 - 2021/22	
Revenue								
Non-tax revenue	6 778.6	7.7%	100.0%	8 789.5	6 605.2	10 408.8	15.4%	100.0%
Sale of goods and services other than capital assets	3 719.5	8.6%	41.0%	4 922.6	3 989.7	8 379.3	31.1%	62.9%
<i>of which:</i>								
Construction revenue	3 719.5	8.6%	41.0%	4 922.6	3 989.7	8 379.3	31.1%	62.9%
Other non-tax revenue	3 059.1	6.7%	59.0%	3 866.8	2 615.5	2 029.5	-12.8%	37.1%
Total revenue	6 778.6	7.7%	100.0%	8 789.5	6 605.2	10 408.8	15.4%	100.0%
Expenses								
Current expenses	8 731.7	6.9%	100.0%	11 069.1	6 903.0	10 801.3	7.3%	100.0%
Compensation of employees	238.1	12.3%	2.8%	277.2	299.9	322.3	10.6%	3.1%
Goods and services	4 140.8	14.9%	39.1%	4 639.5	3 682.9	8 051.5	24.8%	54.3%
Depreciation	15.1	35.4%	0.1%	5.9	6.9	5.4	-28.8%	0.1%
Interest, dividends and rent on land	4 337.8	0.7%	58.0%	6 146.5	2 913.3	2 422.0	-17.7%	42.5%
Total expenses	8 731.7	6.9%	100.0%	11 069.1	6 903.0	10 801.3	7.3%	100.0%
Surplus/(Deficit)	(1 953.0)			(2 280.0)	(298.0)	(393.0)		
Statement of financial position								
Carrying value of assets	6.5	-17.8%	0.0%	21.0	19.5	19.7	44.4%	0.1%
<i>of which:</i>								
Acquisition of assets	(2.0)	-22.8%	-0.0%	(5.1)	(5.4)	(5.7)	42.6%	-0.0%
Investments	1 055.2	-12.7%	4.7%	–	–	–	-100.0%	0.9%
Receivables and prepayments	25 072.5	-1.1%	84.3%	22 365.4	21 741.8	27 053.3	2.6%	80.4%
Cash and cash equivalents	4 256.5	10.9%	10.9%	6 200.9	11 974.2	985.5	-38.6%	18.7%
Total assets	30 390.7	-0.3%	100.0%	28 587.3	33 735.4	28 058.6	-2.6%	100.0%
Accumulated surplus/(deficit)	1 526.1	61.5%	7.1%	(15.8)	(312.1)	(703.0)	-177.2%	0.4%
Capital reserve fund	1 219.1	–	1.0%	–	–	–	-100.0%	1.0%
Borrowings	26 706.6	-2.1%	87.2%	28 077.3	32 911.9	25 296.4	-1.8%	93.5%
Trade and other payables	938.9	-13.3%	3.7%	525.8	1 135.6	3 465.2	54.5%	5.2%
Total equity and liabilities	30 390.7	-0.3%	100.0%	28 587.3	33 735.4	28 058.6	-2.6%	100.0%

Personnel information

Table 36.26 Trans-Caledon Tunnel Authority personnel numbers and cost by salary level

Number of posts estimated for 31 March 2019		Number and cost ¹ of personnel posts filled/planned for on funded establishment												Number					
Number of funded posts	Number of posts on approved establishment	Actual			Revised estimate			Medium-term expenditure estimate						Average growth rate (%)	Average Salary level/Total (%)				
		2017/18			2018/19			2019/20		2020/21		2021/22				2018/19 - 2021/22			
		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost						
Trans-Caledon Tunnel Authority	195	195	141	168.0	1.2	195	238.1	1.2	200	277.2	1.4	200	299.9	1.5	200	322.3	1.6	10.6%	100.0%
1 – 6	6	6	6	1.8	0.3	6	1.3	0.2	–	–	–	–	–	–	–	–	–	-100.0%	0.8%
7 – 10	62	62	53	31.3	0.6	62	32.2	0.5	55	31.5	0.6	55	34.1	0.6	55	36.7	0.7	4.5%	28.6%
11 – 12	25	25	18	18.6	1.0	25	22.9	0.9	36	35.1	1.0	36	38.0	1.1	36	40.9	1.1	21.4%	16.7%
13 – 16	90	90	54	84.6	1.6	90	145.4	1.6	89	154.6	1.7	89	167.7	1.9	89	180.2	2.0	7.4%	44.9%
17 – 22	12	12	10	31.6	3.2	12	36.3	3.0	20	56.1	2.8	20	60.0	3.0	20	64.5	3.2	21.1%	9.0%

1. Rand million.

Umgeni Water

Mandate

Umgeni Water was established in terms of the Water Services Act (1997) to provide water and sanitation services in its service area, which comprises mostly rural areas in KwaZulu-Natal, as well as the eThekweni metropolitan area. The entity supplies water to about 6 million consumers.

Selected performance indicators

Table 36.27 Umgeni Water performance indicators by programme/objective/activity and related outcome

Indicator	Programme/Objective/Activity	MTSF outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Net debt to equity ratio per year	Bulk activities	Outcome 12: An efficient, effective and development-oriented public service	0.34	0.29	0.23	0.21	0.33	0.34	0.29
Debt service ratio per year	Bulk activities		4.6	2.9	4.9	3.9	3.1	2.9	4.1
Costs per kilolitre per year	Bulk activities		R3.25	R3.66	R3.57	R5.04	R5.34	R5.74	R5.93
Weighted average cost of capital per year	Bulk activities		10.53%	10.59%	10.63%	10.66%	11.29%	11.33%	11.37%
Volume of water sold (thousand kl) per year	Bulk activities		435 726	409 887	434 568	451 729	478 599	488 578	495 413

Expenditure analysis

Umgeni Water's focus over the medium term will continue to be on the provision of bulk water services, which requires the development and maintenance of regional bulk infrastructure in its service areas across KwaZulu-Natal, with the eThekweni metropolitan area being its largest area of distribution. Over the medium term, spending in the bulk activities programme on activities related to the abstraction, treatment and distribution of bulk water is expected to account for 49.9 per cent of the board's total expenditure, increasing at an average annual rate of 10.7 per cent, from R1.3 billion in 2018/19 to R1.8 billion in 2021/22. As a result, spending on goods and services constitutes a projected 56.2 per cent (R5.3 billion) of the board's total expenditure. Spending in this regard is expected to increase at an average annual rate of 5.9 per cent, from R1.5 billion in 2018/19 to R1.8 billion in 2021/22, due to increases in production costs.

Spending in the administration programme is expected to amount to R4.4 billion over the MTEF period, increasing at an average annual rate of 8.5 per cent, from R1.1 billion in 2018/19 to R1.5 billion in 2020/21. This increase is due to increases in retirement benefit costs for employees and increases in impairment losses on rural development projects. Over the medium term, capital expenditure will mainly be directed towards the rehabilitation, renovation and refurbishment of infrastructure on flagship projects such as phase 1 of the Mkhomazi water project, the Lower Mkhomazi bulk water scheme and the Durban Heights wastewater treatment plant. These investments are expected to amount to capital expenditure of R7.1 billion over the MTEF period, increasing at an average annual rate of 7.8 per cent, from R1.7 billion in 2018/19 to R2.1 billion in 2021/22.

The entity plans to maintain its number of personnel at 1 168 over the medium term. In line with cost of living adjustments, spending on compensation of employees is expected to increase at an average annual rate of

6.9 per cent, from R609.2 million in 2018/19 to R743.8 million in 2021/22. The entity expects to sell 1.5 trillion litres of water over the MTEF period, accounting for R13.3 billion of its projected revenue over the period. This revenue is expected to increase at an average annual rate of 13 per cent, from R3.4 billion in 2018/19 to R4.9 billion in 2021/22. This is driven mainly by the projected increase in the volume of water sold, from 451 729 thousand kilolitres in 2018/19 to 495 413 thousand kilolitres in 2021/22, and a projected increase in tariffs from R5.04 per kilolitre in 2018/19 to R5.93 per kilolitre in 2021/22.

Programmes/Objectives/Activities

Table 36.28 Umgeni Water expenditure trends and estimates by programme/objective/activity

R million	Audited outcome			Revised estimate 2018/19	Average growth rate (%) 2015/16 - 2018/19	Average: Expenditure/ Total (%) 2018/19	Medium-term expenditure estimate			Average growth rate (%) 2018/19 - 2021/22	Average: Expenditure/ Total (%) 2018/19 - 2021/22
	2015/16	2016/17	2017/18				2019/20	2020/21	2021/22		
Administration	730.0	771.5	720.9	1 139.5	16.0%	40.6%	1 372.9	1 528.1	1 454.3	8.5%	44.7%
Bulk activities	856.5	937.0	1 051.4	1 308.6	15.2%	50.4%	1 446.8	1 601.1	1 776.1	10.7%	49.9%
Waste water	75.3	88.2	96.5	126.3	18.8%	4.7%	136.7	148.1	160.4	8.3%	4.7%
Other activities	109.0	153.7	43.7	22.1	-41.2%	4.3%	23.5	24.9	26.4	6.0%	0.8%
Total	1 770.8	1 950.4	1 912.4	2 596.5	13.6%	100.0%	2 980.0	3 302.2	3 417.1	9.6%	100.0%

Statements of historical financial performance and position

Table 36.29 Umgeni Water statements of historical financial performance and position

Statement of financial performance									
R million	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	Average: Outcome/Budget (%)
	2015/16	2016/17	2016/17	2017/18	2017/18	2018/19	2018/19	2015/16 - 2018/19	
Revenue									
Non-tax revenue	2 437.8	2 552.0	2 686.7	2 696.5	3 090.0	3 100.7	3 434.8	3 527.4	102.0%
Sale of goods and services other than capital assets	2 391.1	2 377.3	2 599.9	2 509.5	3 001.8	2 903.7	3 363.0	3 397.6	98.5%
<i>of which:</i>									
<i>Sales of bulk water</i>	2 391.1	2 377.3	2 599.9	2 509.5	3 001.8	2 903.7	3 363.0	3 397.6	98.5%
Other non-tax revenue	46.6	174.7	86.7	187.0	88.1	196.9	71.8	129.9	234.8%
Total revenue	2 437.8	2 552.0	2 686.7	2 696.5	3 090.0	3 100.7	3 434.8	3 527.4	102.0%
Expenses									
Current expenses	1 915.3	1 676.1	1 985.1	1 844.8	2 228.2	1 847.5	2 453.0	2 491.6	91.6%
Compensation of employees	437.7	473.0	496.3	560.2	550.4	592.4	590.8	609.2	107.7%
Goods and services	1 271.2	1 044.5	1 237.8	1 112.7	1 335.8	1 013.8	1 506.0	1 547.7	88.2%
Depreciation	76.7	157.4	228.9	170.6	275.8	239.6	295.7	293.2	98.1%
Interest, dividends and rent on land	129.6	1.2	22.0	1.4	66.3	1.7	60.5	41.5	16.4%
Transfers and subsidies	–	94.7	106.8	105.6	117.7	64.9	128.2	104.9	104.9%
Total expenses	1 915.3	1 770.8	2 091.9	1 950.4	2 345.9	1 912.4	2 581.2	2 596.5	92.1%
Surplus/(Deficit)	522.0	781.0	595.0	746.0	744.0	1 188.0	854.0	931.0	
Statement of financial position									
Carrying value of assets	7 201.0	7 144.0	8 892.7	7 911.5	9 404.7	8 449.3	10 632.6	9 572.3	91.5%
<i>of which:</i>									
<i>Acquisition of assets</i>	(2 133.4)	(2 034.3)	(1 977.9)	(1 172.3)	(1 503.4)	(989.6)	(1 661.5)	(1 652.3)	80.4%
Investments	1 003.2	1 928.0	729.3	1 807.7	1 362.7	2 488.9	880.7	1 939.0	205.3%
Inventory	12.4	14.7	17.5	15.7	20.5	19.0	23.7	17.9	90.9%
Accrued investment interest	–	28.4	28.4	35.6	28.4	44.0	28.4	8.0	171.4%
Receivables and prepayments	338.0	398.8	411.2	427.9	476.1	511.9	513.7	535.7	107.8%
Cash and cash equivalents	13.7	43.9	13.2	24.9	16.8	26.1	15.7	9.8	176.3%
Total assets	8 568.2	9 557.7	10 092.4	10 223.3	11 309.2	11 539.0	12 094.8	12 112.7	103.3%
Accumulated surplus/(deficit)	5 141.2	5 540.9	6 100.2	6 380.5	6 901.1	7 645.7	7 754.7	8 286.0	107.6%
Capital and reserves	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	100.0%
Borrowings	1 943.3	2 029.4	1 950.6	1 950.7	2 320.9	1 871.9	2 191.9	1 791.9	90.9%
Accrued interest	59.7	58.9	58.2	57.5	56.8	56.0	54.3	76.0	108.4%
Trade and other payables	389.5	776.5	769.6	626.5	713.9	717.6	699.0	604.2	105.9%
Provisions	588.5	706.1	770.8	722.3	843.3	709.2	922.6	868.6	96.2%
Derivatives financial instruments	3.2	3.2	–	43.1	30.3	95.9	29.4	43.1	294.6%
Total equity and liabilities	8 568.2	9 557.7	10 092.4	10 223.3	11 309.2	11 539.0	12 094.8	12 112.7	103.3%

Statements of estimates of financial performance and position

Table 36.30 Umgeni Water statements of estimates of financial performance and position

Statement of financial performance		Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
Revised estimate	2018/19	2015/16 - 2018/19	2019/20	2020/21	2021/22	2018/19 - 2021/22		
R million								
Revenue								
Non-tax revenue	3 527.4	11.4%	100.0%	4 154.7	4 681.4	5 134.8	13.3%	100.0%
Sale of goods and services other than capital assets	3 397.6	12.6%	94.0%	3 952.6	4 414.6	4 896.3	13.0%	95.3%
<i>of which:</i>								
<i>Sales of bulk water</i>	3 397.6	12.6%	94.0%	3 952.6	4 414.6	4 896.3	13.0%	95.3%
Other non-tax revenue	129.9	-9.4%	6.0%	202.1	266.8	238.5	22.5%	4.7%
Total revenue	3 527.4	11.4%	100.0%	4 154.7	4 681.4	5 134.8	13.3%	100.0%
Expenses								
Current expenses	2 491.6	14.1%	95.5%	2 855.3	3 166.5	3 269.3	9.5%	95.8%
Compensation of employees	609.2	8.8%	27.5%	649.9	694.9	743.8	6.9%	22.0%
Goods and services	1 547.7	14.0%	57.2%	1 696.6	1 793.1	1 839.9	5.9%	56.2%
Depreciation	293.2	23.0%	10.4%	311.8	332.8	354.4	6.5%	10.6%
Interest, dividends and rent on land	41.5	227.1%	0.5%	197.1	345.7	331.3	99.9%	7.1%
Transfers and subsidies	104.9	3.5%	4.5%	124.6	135.7	147.8	12.1%	4.2%
Total expenses	2 596.5	13.6%	100.0%	2 980.0	3 302.2	3 417.1	9.6%	100.0%
Surplus/(Deficit)	931.0			1 175.0	1 379.0	1 718.0		
Statement of financial position								
Carrying value of assets	9 572.3	10.2%	76.1%	11 151.6	12 925.9	14 729.5	15.4%	77.8%
<i>of which:</i>								
<i>Acquisition of assets</i>	(1 652.3)	-6.7%	-13.7%	(2 848.0)	(2 216.8)	(2 072.1)	7.8%	-14.3%
Investments	1 939.0	0.2%	18.9%	3 007.9	3 169.6	2 975.0	15.3%	17.8%
Inventory	17.9	6.8%	0.2%	19.1	20.3	21.7	6.5%	0.1%
Accrued investment interest	38.0	10.2%	0.3%	38.0	38.0	38.0	-	0.3%
Receivables and prepayments	535.7	10.3%	4.3%	589.2	634.8	681.1	8.3%	4.0%
Cash and cash equivalents	9.8	-39.4%	0.3%	9.3	10.7	17.9	22.2%	0.1%
Total assets	12 112.7	8.2%	100.0%	14 815.0	16 799.3	18 463.2	15.1%	100.0%
Accumulated surplus/(deficit)	8 286.0	14.4%	63.8%	9 460.4	10 836.6	12 547.9	14.8%	66.2%
Capital and reserves	442.8	-	4.1%	442.8	442.8	442.8	-	2.9%
Borrowings	1 791.9	-4.1%	17.8%	3 262.7	3 846.6	3 735.1	27.7%	20.0%
Accrued interest	76.0	8.9%	0.6%	77.0	55.4	55.3	-10.0%	0.4%
Trade and other payables	604.2	-8.0%	6.4%	589.3	557.9	538.7	-3.8%	3.8%
Provisions	868.6	7.1%	6.9%	939.8	1 016.8	1 100.1	8.2%	6.4%
Derivatives financial instruments	43.1	139.1%	0.4%	43.1	43.1	43.1	-	0.3%
Total equity and liabilities	12 112.7	8.2%	100.0%	14 815.0	16 799.3	18 463.2	15.1%	100.0%

Personnel information

Table 36.31 Umgeni Water personnel numbers and cost by salary level

Number of posts estimated for 31 March 2019			Number and cost ¹ of personnel posts filled/planned for on funded establishment												Number				
Number of funded posts	Number of posts on approved establishment	Unit cost	Actual			Revised estimate			Medium-term expenditure estimate						Average growth rate (%)	Average: Salary level/Total (%)			
			2017/18	2018/19	2019/20	2020/21	2021/22	2019/20	2020/21	2021/22	2019/20	2020/21	2021/22						
Umgeni Water			Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost		
Salary level	1 168	1 168	1 132	592.4	0.5	1 168	609.2	0.5	1 168	649.9	0.6	1 168	694.9	0.6	1 168	743.8	0.6	6.9%	100.0%
1 – 6	149	149	154	24.8	0.2	149	26.6	0.2	149	28.4	0.2	149	30.4	0.2	149	32.5	0.2	6.9%	12.8%
7 – 10	761	761	740	332.7	0.4	761	355.1	0.5	761	378.8	0.5	761	405.0	0.5	761	433.5	0.6	6.9%	65.2%
11 – 12	151	151	147	121.8	0.8	151	116.9	0.8	151	124.7	0.8	151	133.3	0.9	151	142.7	0.9	6.9%	12.9%
13 – 16	105	105	89	108.3	1.2	105	105.5	1.0	105	112.6	1.1	105	120.4	1.1	105	128.9	1.2	6.9%	9.0%
17 – 22	2	2	2	4.7	2.4	2	5.1	2.5	2	5.4	2.7	2	5.8	2.9	2	6.1	3.1	6.4%	0.2%

1. Rand million.

Water Trading Entity

Mandate

The Water Trading Entity was established in 1983 to separate the sale of raw water and related services from appropriated funds in the department. It was converted into a trading entity in terms of the Public Finance Management Act (1999) in 2008 to manage the recovery of usage costs to support the long-term sustainability of South Africa's water resources. The entity's core activities involve the construction of new water resources and the rehabilitation and refurbishment of existing ones. Functions related to resources management include

the management of water quality, water conservation, and the allocation of water through catchment management agencies to ensure sustainable water supply for both domestic and industrial use. The entity is further mandated to manage water resources, which includes the management of water quality, conservation, and the allocation of water through catchment management agencies.

Selected performance indicators

Table 36.32 Water Trading Entity performance indicators by programme/objective/activity and related outcome

Indicator	Programme/Objective/Activity	MTSF outcome	Past			Current	Projections		
			2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
Reduction in the number of days for the collection of outstanding debt per year	Administration	Outcome 12: An efficient, effective and development-oriented public service	150	120	100	100	100	100	100
Number of kilometres of conveyance systems rehabilitated per year	Operations, maintenance and refurbishment of national water resources schemes	Outcome 6: An efficient, competitive and responsive economic infrastructure network	– ¹	4.2km	5.4km	0	7km	10km	10km
Percentage of total maintenance budget spent on asset refurbishment and betterment against budget per year	Operations, maintenance and refurbishment of national water resources schemes		77% (247 549/ 321 492)	86% (343 796/ 400 000)	85% (270 488/ 316 613)	100%	100%	100%	100%
Percentage of planned maintenance projects completed per year per approved asset management project	Operations, maintenance and refurbishment of national water resources schemes		– ¹	60% (152/255)	36% (140/390)	90%	80%	80%	80%
Percentage of unscheduled maintenance projects completed per year as a proportion of planned maintenance projects	Operations, maintenance and refurbishment of national water resources schemes		– ¹	– ¹	0.2%	10% or less	20% or less	20% or less	20% or less
Number of raw water projects completed per year	Operations, maintenance and refurbishment of national water resources schemes		1	0	1	3	2	4	3
Number of dam safety rehabilitation projects completed per year	Implementation of dam safety projects	Outcome 10: Protect and enhance our environmental assets and natural resources	5	0	0	3	5	5	6
Total number of dam safety rehabilitation projects completed	Implementation of dam safety projects	Outcome 6: An efficient, competitive and responsive economic infrastructure network	43	40	45	49	53	53	53
Number of rivers where the river eco-status monitoring programme has been implemented to measure the ecological health of the system per year	Implementation of water resources management activities		98	66	92	71	70	80	70

1. No historical data available.

Expenditure analysis

Over the medium term, the Water Trading Entity will continue to focus on developing and maintaining raw water infrastructure and managing water resources, while improving its operational and financial sustainability. An estimated R22.9 billion of the entity's total expenditure over the medium term is in the financing of and investment in raw water infrastructure programme. Spending in the programme increases at an average annual rate of 10.6 per cent, from R6.2 billion in 2018/19 to R8.4 billion in 2021/22.

Spending in the bulk water supply to strategic users programme accounts for an estimated R7.5 billion of total expenditure, increasing at an average annual rate of 10.6 per cent, from R2 billion in 2018/19 to R2.8 billion in 2021/22. Over the medium term, the entity plans to rehabilitate 27km of conveyance systems related to the Vlakfontein, Boskop, Vaalharts, Ncora, Pongolapoort, Nzhelele and Lindleyspoort canals; and complete 80 per cent of planned maintenance projects in each year over the MTEF period. As a result, spending in the operations, maintenance and refurbishment of national water resources schemes programme is expected to increase at an average annual rate of 10.6 per cent, from R1.6 billion in 2018/19 to R2.1 billion in 2021/22.

In ensuring the efficient management of water resources, the entity will continue to ensure compliance with dam safety regulations by completing an estimated 159 dam safety rehabilitation projects over the medium term. These projects include raising the walls of Clanwilliam Dam and Tzaneen Dam; and other projects involving pollution control, resource measurement and monitoring, water conservation, water demand management and water allocation. As such, spending in the implementation of water resource management activities programme increases at an average annual rate of 10.6 per cent, from R805.1 million in 2018/19 to R1.1 billion in 2021/22.

To improve its operational and financial sustainability, the entity plans to maintain its period for collecting outstanding debt at 100 days each year of the MTEF period. This will enable it to make timely payments to the Trans-Caledon Tunnel Authority to repay debts for the construction of new raw water infrastructure projects; and the maintenance of ongoing and completed raw water projects such as the long-term solution to acid mine drainage, the Lesotho Highlands water project, and phase 2 of the Mokolo and Crocodile River water augmentation project.

The entity plans to maintain its number of personnel at 3 440 over the medium term. In line with cost of living adjustments, spending on compensation of employees is expected to increase at an average annual rate of 6 per cent, from R1.2 billion in 2018/19 to R1.5 billion in 2021/22.

The entity expects to generate 81.8 per cent of its revenue over the medium term from the sale of raw water. The sale of raw water is expected to increase at an average annual rate of 10.7 per cent, from R11 billion in 2018/19 to R14.9 billion in 2021/22, due to a projected increase in sales. Remaining revenue is derived from departmental transfers amounting to R6.6 billion, increasing at an average annual rate of 4 per cent, from R2 billion in 2018/19 to R2.3 billion in 2021/22. Funds from these transfers are used to subsidise the entity's operations, its functions pertaining to the management of water resources, and the construction and maintenance of water infrastructure for which costs cannot be recuperated through tariffs.

Programmes/Objectives/Activities

Table 36.33 Water Trading Entity expenditure trends and estimates by programme/objective/activity

R million	Audited outcome			Revised estimate 2018/19	Average growth rate (%) 2015/16 - 2018/19	Average: Expenditure/ Total (%) 2015/16 - 2018/19	Medium-term expenditure estimate			Average growth rate (%) 2018/19 - 2021/22	Average: Expenditure/ Total (%) 2018/19 - 2021/22
	2015/16	2016/17	2017/18				2019/20	2020/21	2021/22		
Administration	386.5	2 727.5	698.1	815.8	28.3%	8.7%	902.3	997.9	1 103.7	10.6%	7.1%
Implementation of water resources management activities	383.8	528.7	528.6	805.1	28.0%	4.8%	890.4	984.8	1 089.2	10.6%	7.0%
Operations, maintenance and refurbishment of national water resources schemes	1 270.8	1 780.5	1 399.3	1 581.0	7.6%	12.8%	1 748.6	1 934.0	2 139.0	10.6%	13.7%
Financing and investment in raw water infrastructure	4 457.3	7 980.8	8 708.6	6 223.4	11.8%	56.4%	6 883.1	7 612.7	8 419.7	10.6%	53.8%
Bulk water supply to strategic users	1 538.1	2 175.4	1 855.4	2 038.4	9.8%	16.1%	2 254.5	2 493.5	2 757.8	10.6%	17.6%
Implementation of dam safety projects	170.0	236.0	29.8	95.7	-17.4%	1.2%	105.8	117.0	129.4	10.6%	0.8%
Total	8 206.6	15 428.8	13 219.9	11 559.4	12.1%	100.0%	12 784.7	14 139.9	15 638.7	10.6%	100.0%

Statements of historical financial performance and position

Table 36.34 Water Trading Entity statements of historical financial performance and position

Statement of financial performance									
R million	Audited outcome		Audited outcome		Audited outcome		Budget estimate	Revised estimate	Average: Outcome/ Budget (%) 2015/16 - 2018/19
	Budget	2015/16	Budget	2016/17	Budget	2017/18			
Revenue									
Non-tax revenue	9 825.9	9 534.8	8 667.9	10 164.4	9 761.1	10 995.5	10 606.0	11 352.1	108.2%
Sale of goods and services other than capital assets	9 730.9	9 061.9	8 606.5	9 458.3	9 646.2	10 154.8	10 479.6	11 252.0	103.8%
<i>of which:</i>									
<i>Sales by market establishment</i>	<i>9 730.9</i>	<i>9 061.9</i>	<i>8 606.5</i>	<i>9 458.3</i>	<i>9 646.2</i>	<i>10 154.8</i>	<i>10 479.6</i>	<i>11 252.0</i>	<i>103.8%</i>
<i>Sales of water</i>	<i>8 729.8</i>	<i>8 598.9</i>	<i>8 370.8</i>	<i>9 036.8</i>	<i>9 431.1</i>	<i>9 927.3</i>	<i>10 374.2</i>	<i>10 987.9</i>	<i>104.5%</i>
<i>Construction revenue</i>	<i>988.6</i>	<i>449.9</i>	<i>221.9</i>	<i>409.4</i>	<i>200.0</i>	<i>223.8</i>	<i>88.8</i>	<i>247.5</i>	<i>88.7%</i>
<i>Lease revenue earned</i>	<i>12.5</i>	<i>13.2</i>	<i>13.8</i>	<i>12.2</i>	<i>15.1</i>	<i>3.7</i>	<i>16.6</i>	<i>16.6</i>	<i>78.9%</i>
Other non-tax revenue	94.9	472.8	61.4	706.1	114.9	840.8	126.4	100.1	533.1%
Transfers received	1 735.1	1 522.0	1 499.5	1 499.5	1 651.7	1 651.7	1 792.1	2 031.6	100.4%
Total revenue	11 561.0	11 056.8	10 167.5	11 664.0	11 412.7	12 647.2	12 398.1	13 383.7	107.1%

Table 36.34 Water Trading Entity statements of historical financial performance and position

Statement of financial performance									
R million	Audited		Audited		Audited		Budget		Average: Outcome/ Budget (%)
	Budget	outcome	Budget	outcome	Budget	outcome	estimate	estimate	
	2015/16		2016/17		2017/18		2018/19		2015/16 - 2018/19
Expenses									
Current expenses	7 954.4	8 206.6	9 194.8	15 428.8	9 908.0	13 219.9	10 603.4	11 559.4	128.6%
Compensation of employees	979.3	804.7	908.5	924.4	972.1	1 191.1	1 040.0	1 218.4	106.1%
Goods and services	2 699.3	4 741.3	5 763.2	8 043.3	6 256.3	5 450.3	6 647.8	2 996.5	99.4%
Depreciation	2 554.4	1 913.0	2 071.0	1 833.4	2 199.4	1 922.2	2 359.2	2 314.1	86.9%
Interest, dividends and rent on land	1 721.3	747.5	452.1	4 627.7	480.1	4 656.2	556.4	5 030.3	469.2%
Total expenses	7 954.4	8 206.6	9 194.8	15 428.8	9 908.0	13 219.9	10 603.4	11 559.4	128.6%
Surplus/(Deficit)	3 607.0	2 850.0	973.0	(3 765.0)	1 505.0	(573.0)	1 795.0	1 824.0	
Statement of financial position									
Carrying value of assets	91 920.7	93 473.9	95 275.7	95 913.9	96 784.4	95 540.3	100 765.8	92 973.3	98.2%
<i>of which:</i>									
Acquisition of assets	(2 610.2)	(2 409.3)	(1 950.2)	(1 563.5)	(1 899.2)	(500.6)	(2 089.1)	(1 227.1)	66.7%
Inventory	126.9	148.0	134.3	158.8	120.8	145.7	108.8	108.8	114.4%
Receivables and prepayments	4 721.6	6 380.8	5 083.7	6 002.3	4 159.9	6 645.7	3 369.5	5 468.9	141.3%
Cash and cash equivalents	2 346.6	42.9	138.9	0.2	538.9	0.3	895.8	-	1.1%
Total assets	99 115.8	100 045.6	100 632.6	102 075.3	101 603.9	102 332.1	105 139.8	98 550.9	99.1%
Accumulated surplus/(deficit)	69 245.9	71 960.4	71 294.5	70 508.7	69 686.8	69 808.4	70 334.1	63 727.7	98.4%
Capital and reserves	330.3	362.6	326.3	279.6	313.0	407.2	281.7	407.2	116.4%
Borrowings	28 631.8	26 334.2	27 873.8	29 548.3	29 229.2	30 441.9	33 593.2	29 496.4	97.1%
Finance lease	17.0	50.9	48.7	4.7	46.8	5.7	46.3	6.0	42.4%
Trade and other payables	701.3	1 174.9	914.4	1 519.3	701.6	1 424.3	666.5	4 643.2	293.6%
Provisions	189.5	162.6	175.0	214.6	188.3	244.5	218.0	270.4	115.7%
Total equity and liabilities	99 115.8	100 045.6	100 632.6	102 075.3	100 165.7	102 332.1	105 139.8	98 550.9	99.5%

Statements of estimates of financial performance and position**Table 36.35 Water Trading Entity statements of estimates of financial performance and position**

Statement of financial performance									
R million	Revised estimate	Average growth rate (%)	Average Expenditure/Total (%)	Medium-term estimate			Average growth rate (%)	Average Expenditure/Total (%)	
				2018/19	2019/20	2020/21			2021/22
Revenue									
Non-tax revenue	11 352.1	6.0%	86.3%	12 565.7	13 936.2	15 413.5	10.7%	86.0%	
Sale of goods and services other than capital assets	11 252.0	7.5%	81.9%	12 455.6	13 787.0	15 248.5	10.7%	85.2%	
<i>of which:</i>									
Sales by market establishment	11 252.0	7.5%	81.9%	12 455.6	13 787.0	15 248.5	10.7%	85.2%	
Sales of water	10 987.9	8.5%	79.0%	11 383.1	13 465.1	14 892.4	10.7%	81.8%	
Construction revenue	247.5	-18.1%	2.8%	46.6	302.8	334.8	10.6%	1.5%	
Lease revenue earned	16.6	7.9%	9.4%	19.2	19.2	21.3	8.5%	1.2%	
Other non-tax revenue	100.1	-40.4%	4.4%	110.1	149.2	165.0	18.1%	0.8%	
Transfers received	2 031.6	10.1%	13.7%	2 119.2	2 171.6	2 287.0	4.0%	14.0%	
Total revenue	13 383.7	6.6%	100.0%	14 684.8	16 107.8	17 700.5	9.8%	100.0%	
Expenses									
Current expenses	11 559.4	12.1%	100.0%	12 784.7	14 139.9	15 638.7	10.6%	100.0%	
Compensation of employees	1 218.4	14.8%	8.8%	1 292.8	1 370.3	1 451.2	6.0%	9.9%	
Goods and services	2 996.5	-14.2%	44.3%	3 699.6	4 509.6	4 771.8	16.8%	29.3%	
Depreciation	2 314.1	6.6%	17.4%	2 455.2	2 602.6	2 756.2	6.0%	18.8%	
Interest, dividends and rent on land	5 030.3	88.8%	29.5%	5 337.1	5 657.4	6 659.6	9.8%	42.0%	
Total expenses	11 559.4	12.1%	100.0%	12 784.7	14 139.9	15 638.7	10.6%	100.0%	
Surplus/(Deficit)	1 824.0			1 900.0	1 968.0	2 062.0			
Statement of financial position									
Carrying value of assets	92 973.3	-0.2%	93.8%	93 231.0	93 646.7	91 487.9	-0.5%	95.1%	
<i>of which:</i>									
Acquisition of assets	(1 227.1)	-20.1%	-1.4%	(1 623.5)	(1 612.6)	(1 993.8)	17.6%	-1.7%	
Inventory	108.8	-9.8%	0.1%	97.9	102.8	101.8	-2.2%	0.1%	
Receivables and prepayments	5 468.9	-5.0%	6.1%	4 949.8	4 482.4	3 165.8	-16.7%	4.6%	
Cash and cash equivalents	-	-100.0%	0.0%	-	84.4	663.6	-	0.2%	
Total assets	98 550.9	-0.5%	100.0%	98 278.7	98 316.2	95 419.0	-1.1%	100.0%	
Accumulated surplus/(deficit)	63 727.7	-4.0%	68.5%	65 619.4	67 715.3	60 686.2	-1.6%	66.0%	
Capital and reserves	407.2	3.9%	0.4%	407.2	407.2	407.2	-	0.4%	
Borrowings	29 496.4	3.9%	28.7%	28 303.5	27 213.1	32 309.6	3.1%	30.1%	
Finance lease	6.0	-51.1%	0.0%	6.3	6.6	7.0	5.5%	0.0%	
Trade and other payables	4 643.2	58.1%	2.2%	3 643.2	2 643.2	1 643.2	-29.3%	3.2%	
Provisions	270.4	18.5%	0.2%	299.1	330.8	365.8	10.6%	0.3%	
Total equity and liabilities	98 550.9	-0.5%	100.0%	98 278.7	98 316.2	95 419.0	-1.1%	100.0%	

Personnel information

Table 36.36 Water Trading Entity personnel numbers and cost by salary level

Number of posts estimated for 31 March 2019		Number and cost ¹ of personnel posts filled/planned for on funded establishment												Number						
Number of funded posts	Number of posts on approved establishment	Actual			Revised estimate			Medium-term expenditure estimate						Average growth rate (%)	Average: Salary level/Total (%)					
		2017/18			2018/19			2019/20		2020/21		2021/22				2018/19 - 2021/22				
		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost							
Water Trading Entity		4 292	4 292	3 634	1 191.1	0.3	3 440	1 218.4	0.4	3 440	1 292.8	0.4	3 440	1 370.3	0.4	3 440	1 451.2	0.4	6.0%	100.0%
1 – 6	2 605	2 605	2 243	401.9	0.2	2 053	411.1	0.2	2 053	436.2	0.2	2 053	461.9	0.2	2 053	489.2	0.2	6.0%	59.7%	
7 – 10	1 561	1 561	1 279	629.9	0.5	1 275	644.4	0.5	1 275	683.7	0.5	1 275	725.3	0.6	1 275	768.1	0.6	6.0%	37.1%	
11 – 12	120	120	106	148.9	1.4	106	152.3	1.4	106	161.6	1.5	106	171.1	1.6	106	181.2	1.7	6.0%	3.1%	
13 – 16	6	6	6	10.4	1.7	6	10.7	1.8	6	11.3	1.9	6	12.0	2.0	6	12.7	2.1	6.0%	0.2%	

1. Rand million.

Other entities

Comprehensive coverage of the following entities is provided with more detailed information for the vote at www.treasury.gov.za under the budget information link.

- The **Breede-Gouritz Catchment Management Agency** plays a key role in the use, protection and development of water resources in the Breede-Gouritz water management area. The agency's total budget for 2019/20 is R67.5 million.
- The **Inkomati-Usuthu Catchment Management Agency** plays a key role in the use, protection and development of water resources in the Inkomati-Usuthu water management area. The agency's total budget for 2019/20 is R130.4 million.
- The **Water Research Commission** was established in terms of the Water Research Act (1971) and is listed as a schedule 3A public entity. The commission's mandate is to conduct research on water by determining needs and priorities for research, stimulating and funding water research, promoting the effective transfer of information and technology, and enhancing knowledge and capacity building in the water sector. Research is informed by government policies, needs and international trends. The commission's total budget for 2019/20 is R318 million.

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Departmental infrastructure										
Mega projects (total project cost of at least R1 billion over the project life cycle)										
Pongolapoort bulk water supply (pipeline)	Construction of new bulk water scheme	Construction	1 376.0	290.0	95.3	113.6	–	3.6	–	–
Sedibeng bulk regional sewerage	Construction of new wastewater treatment works	Feasibility	3 000.0	26.9	44.1	10.1	62.7	76.8	152.0	220.0
De Hoop: Greater Sekhukhune district municipality regional bulk water and wastewater infrastructure	Construction of new bulk water infrastructure linking communities with the De Hoop Dam	Design	4 088.0	7.1	23.0	–	–	–	–	–
Mogalakwena bulk water supply phase 1	Upgrading of boreholes and construction of new bulk water scheme	Construction	1 399.6	252.8	161.1	142.2	110.0	183.6	250.0	300.0
Sebokeng waste treatment works phase 1 and phase 2	Upgrading of existing wastewater treatment works	Construction	1 123.6	99.8	166.3	117.6	140.7	128.7	263.0	150.0
Westonaria/Randfontein regional bulk wastewater treatment works (Zuurbekom)	Construction of new wastewater treatment works	Design	1 570.0	7.1	1.3	1.0	55.5	70.0	100.0	274.2
Mooihoek/Tubatse bulk water supply	Augmentation of existing bulk water scheme	Construction	1 000.0	73.1	143.0	–	–	–	–	–
Nebo bulk water supply	Construction of new bulk water scheme	Construction	1 400.0	38.4	31.2	50.5	60.0	–	–	–
Magalies bulk water supply to Waterberg	Construction of new bulk water scheme	Feasibility	1 891.0	–	–	–	15.0	–	–	–
Giyani water services phase 2	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	2 754.6	799.8	912.6	634.0	–	114.0	150.0	144.3
Thembisile bulk water supply (Loskop) phase 1 of 3	Construction of new bulk water scheme	Construction	1 500.0	–	–	–	13.4	100.0	100.0	100.0
OR Tambo, Mthatha, King Sabata and Dalindyebo district municipality bulk water supply and sanitation	Augmentation of existing bulk water scheme	Construction	22 156.8	457.5	–	–	–	–	–	–
Vaal Gamagara bulk water supply	Upgrading of existing bulk water scheme	Construction	200.0	53.8	–	–	–	–	–	–
Polokwane wastewater treatment works	Upgrading existing wastewater treatment works	Construction	1 043.8	–	–	–	–	–	–	–
Umgeni water board: Lower Thukela bulk water supply scheme	Construction of new bulk water scheme	Construction	1 044.0	279.1	–	–	–	–	–	–
Large projects (total project cost of at least R250 million but less than R1 billion over the project life cycle)										
Matoks bulk water supply	Construction of new bulk water scheme	Feasibility	880.0	–	–	–	19.9	–	–	–
Ndlambe bulk water supply	Construction of new bulk water scheme and Upgrading of existing bulk water scheme	Construction	879.0	79.6	119.9	17.8	6.0	50.0	85.0	–
Xhora east bulk water supply	Construction of new bulk water scheme	Construction	620.2	70.6	33.0	51.1	26.0	99.7	56.5	–

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Meyerton wastewater treatment works phase 1	Upgrading of existing wastewater treatment works	Construction	327.0	41.4	40.9	37.5	45.5	56.7	105.0	-
Mbizana regional bulk water supply	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	910.8	13.4	0.9	-	-	-	-	-
Westonaria/Randfontein (Hannes van Niekerk) regional bulk wastewater treatment works	Upgrading of existing wastewater treatment works	Handed over	266.0	-	-	-	-	-	-	-
Western highveld regional bulk water supply	Upgrading of existing bulk water scheme	Construction	486.0	21.9	-	-	-	-	-	-
Lebalelo central and north regional water supply	Construction of new bulk water scheme	Feasibility	600.0	-	-	-	40.0	-	-	-
Nzhelele valley bulk water supply	Construction of new bulk water scheme	Feasibility	600.0	-	-	-	20.0	-	-	-
Madibeng bulk water supply phase 2	Upgrading of existing bulk water scheme	Construction	586.8	53.1	76.2	82.3	60.0	40.0	120.0	155.2
Upgrading of the Homevale wastewater treatment plant (Sol Plaatje wastewater treatment works)	Upgrading of existing wastewater treatment works	Construction	298.0	-	-	-	-	-	-	-
Nketoana bulk water supply phase 1	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	316.7	34.0	19.6	13.1	40.0	50.0	80.0	80.0
Sterkfontein Dam scheme phase 1	Construction of new bulk water scheme	Construction	330.0	-	-	-	-	-	-	-
Potchefstroom wastewater treatment works upgrade	Upgrading of existing water treatment works and construction of new bulk water scheme	Feasibility	400.0	-	-	6.9	40.0	40.0	21.4	30.0
Sinthumule Kutama bulk water augmentation phase 3	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	751.6	25.2	10.2	-	75.0	50.0	80.0	95.0
Moutse bulk water supply phases 1-5	Upgrading of existing water treatment works and construction of new bulk water scheme	Construction	720.0	31.3	23.3	40.3	40.0	75.0	-	-
Glen Alpine bulk water supply	Construction of new bulk water scheme	Feasibility	345.0	-	-	-	15.0	-	-	-
Lephalale/Eskom: Bulk water augmentation	Augmentation of existing bulk water scheme	Feasibility	330.0	-	-	-	10.0	-	-	-
Moretele bulk water supply phase 1 (Klipdrift)	Construction of new bulk water scheme	Construction	640.6	117.4	60.0	23.3	58.0	18.3	30.0	-
Bitou cross border bulk water supply	Construction of new bulk sewage conveyance pipelines	Feasibility	250.0	-	-	-	-	-	-	-
West Coast desalination plant	Construction of new desalination plant	Design	563.2	-	-	-	-	20.0	30.0	20.1
Mncwasa bulk water supply	Construction of new bulk water scheme	Handed over	264.2	16.2	-	-	-	-	-	-
Kalahari East to Mier pipeline	Supply of water	Construction	468.1	134.1	23.3	1.3	-	-	-	-
Ohrigstad bulk water supply	Upgrading of existing bulk water scheme	Feasibility	450.0	-	-	-	-	-	-	-

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Northern Nzikazi bulk water supply phase 1	Construction of new bulk water scheme	Construction	404.9	46.3	120.1	85.7	19.0	30.0	30.0	73.7
Aganang bulk water supply	Upgrading of existing bulk water scheme	Design	350.0	-	-	-	25.0	-	-	-
Sundwana bulk water supply	Construction of new bulk water scheme	Feasibility	591.0	-	-	-	20.0	-	6.0	30.0
Mpumalanga lowveld feasibility studies	Construction of new bulk water scheme	Feasibility	800.0	-	-	-	5.0	-	-	-
Ngwathe bulk sewer phase 2	Upgrading of existing wastewater treatment works	Construction	300.0	19.8	3.6	1.6	25.0	-	40.0	80.0
Dihlabeng bulk water supply phase 2	Construction of new bulk water scheme	Construction	255.0	36.1	39.5	5.9	10.0	-	-	20.0
Dukuduku resettlement bulk water supply	Construction of new bulk water scheme	Construction	350.0	15.0	9.2	-	-	-	-	-
Giyani bulk water supply relief phase 1 (Nandoni Nsami)	Construction of new bulk water scheme	Construction	752.8	-	102.6	99.8	186.2	114.2	100.0	150.0
Sekororo-Mametja bulk water supply phase 1	Construction of new bulk water scheme	Construction	342.8	24.2	33.4	5.1	40.0	70.0	80.0	90.0
Tokologo regional water supply phase 2	Upgrading of bulk water scheme	Construction	500.2	20.0	96.1	104.1	40.0	90.0	100.0	50.0
Msukaligwa regional water supply scheme phase 1	Construction of new bulk water scheme	Design	407.0	-	6.9	-	-	-	-	-
Refurbishment of Emalahleni watertreatment works	Upgrading of existing water treatment works and construction of new bulk water scheme	Construction	335.6	24.8	1.2	-	-	-	-	-
Mafikeng South bulk water supply phase 2 (Upgrading of water treatment works)	Construction of new bulk water scheme	Construction	286.6	31.5	35.1	35.0	59.6	20.0	40.0	40.0
Matjhabeng bulk sewer (Welkom)	Upgrading of existing water treatment works and construction of new bulk water scheme	Feasibility	420.0	-	1.1	2.5	25.1	-	40.0	122.0
Thembisile water scheme (Loskop)	Construction of new bulk water scheme	Feasibility	324.4	4.2	-	-	-	-	-	-
Western highveld bulk water supply scheme (Rust de Winter)	Construction of new bulk water scheme	Feasibility	643.0	-	4.2	-	17.0	10.0	22.4	50.0
Welbedacht pipeline	Construction of new bulk water scheme	Tender	500.0	-	17.1	89.9	84.0	192.2	53.1	-
Bambanana pipeline	Construction of new bulk water scheme	Feasibility	301.3	-	-	-	-	-	24.6	27.1
Mooihoek/Tubatse bulk water supply	Augmentation of existing bulk water scheme	Construction	714.0	-	143.0	17.0	-	90.0	95.0	-
Nebo bulk water supply	Construction of new bulk water scheme	Construction	978.4	-	31.2	-	60.0	50.0	70.0	90.0
Nooitgedagt bulk water supply	Construction of new bulk water scheme	Construction	390.3	-	-	53.2	67.4	-	-	-
Driekoppies bulk water supply Upgradings	Construction of new bulk water scheme	Construction	397.6	-	-	-	42.5	71.9	70.0	134.1

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Ngqamakwe water supply	Upgrading of existing wastewater treatment works	Construction	370.0	-	-	13.9	5.0	-	-	-
Kannaland Dam relocation	Augmentation of existing bulk water scheme	Construction	300.0	-	0.2	-	30.0	-	-	-
Masilonyana bulk water supply phase 1	Upgrading of existing bulk water scheme	Construction	304.9	-	-	-	-	60.0	130.0	80.0
Butterworth Emergency	Upgrading of existing bulk water scheme	Tender	250.0	-	-	-	10.0	-	45.4	80.0
Sedibeng bulk regional sewerage scheme: Sebokeng and Meyerton wastewater treatment works	Upgrading existing wastewater treatment works	Construction	856.0	141.2	-	-	-	-	-	-
Greater Mthonjaneni phases 1-3 bulk water supply	Construction of new bulk water scheme	Construction	668.5	222.1	-	-	-	-	-	-
Ngcebo regional bulk water supply (iLembe)	Construction of new bulk water scheme	Construction	682.0	106.2	-	-	-	-	-	-
Namakwa bulk water supply	Upgrading of existing bulk water scheme	Construction	648.3	149.7	-	-	-	-	-	-
Taung/Naledi bulk water supply	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	839.3	63.7	-	-	-	-	-	-
Greater Mamusa bulk water supply	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	444.3	46.8	-	-	-	-	-	-
Pilanesberg north and south bulk water supply	Upgrading of existing bulk water scheme and construction of new bulk water scheme	Construction	755.7	150.0	-	-	-	-	-	-
Chris Hani district municipality bulk water supply, Ncora cluster 4	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	353.1	72.6	-	-	-	-	-	-
Chris Hani district municipality: Ngcobo cluster 6	Construction of new bulk water scheme and spring protection	Construction	321.7	48.0	-	-	-	-	-	-
Xonxa Dam water supply to Lukhanji	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	444.0	68.3	-	-	-	-	-	-
Amatola Water: Refurbishment of 6 existing plants and downstream infrastructure	Upgrading of existing bulk water scheme	Feasibility	500.0	163.1	-	-	-	-	-	-
Mhlabatshane bulk water supply	Construction of new bulk water scheme	Construction	273.6	8.8	-	-	-	-	-	-
Greytown regional bulk water scheme	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	610.6	93.6	-	-	-	-	-	-
Greater Bulwer-Donnybrook water scheme	Upgrading of existing water treatment works	Construction	343.3	14.0	-	-	-	-	-	-
Kagisano-Molopo bulk water supply	Upgrading of existing water treatment works and new bulk water scheme	Feasibility	350.0	18.0	-	-	-	-	-	-

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation 2018/19	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2019/20	2020/21	2021/22
R million										
Nongoma bulk water supply	Construction of new bulk water scheme	Construction	529.1	-	-	-	-	-	-	-
Ngwathe bulk water supply phase 2	Construction of new bulk water scheme	Construction	160.0	6.8	-	-	-	-	-	-
Driefontein Indaka bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	326.3	20.8	-	-	-	-	-	-
Masilonyana bulk water supply	Upgrading of existing bulk water scheme	Design	304.9	41.9	-	-	-	-	-	-
Refurbishment of Emalahleni wastewater treatment works	Upgrading of existing water treatment works and construction of new bulk water scheme	Construction	335.6	24.8	-	-	-	-	-	-
Balf/Siyat/Greyll/Willem/Nthor bulk water supply	Construction of new bulk water scheme	Various	531.6	7.7	-	-	-	-	-	-
Setsoto bulk water supply	Construction of new bulk water scheme	Construction	147.6	40.6	-	-	-	-	-	-
Phumelela bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	166.0	5.8	-	66.8	-	5.0	-	-
Small projects (total project cost of less than R250 million over the project life cycle)										
Graaff-Reinet emergency bulk water supply	Upgrading of existing bulk water scheme	Construction	55.7	2.2	17.9	19.6	10.0	6.0	-	-
Sundays River bulk water supply (Paterson)	Upgrading of existing water treatment works and construction of new bulk water scheme	Construction	106.5	8.9	2.0	1.4	-	7.0	-	-
Steytlerville bulk water supply	Augmentation of existing bulk water scheme	Construction	111.3	32.1	22.0	-	-	-	-	-
Ibika bulk water supply	Construction of new bulk water scheme	Handed over	64.8	9.0	-	-	-	-	-	-
Ikwezi bulk water supply	Upgrading of existing bulk water scheme	Feasibility	57.9	0.5	3.4	-	17.0	-	7.0	30.0
Kirkwood water treatment works	Upgrading of existing bulk water scheme	Feasibility	51.0	1.1	1.9	-	11.0	-	7.0	30.0
Misgund bulk water supply	Construction of new bulk water scheme and Upgrading of existing bulk water scheme	Feasibility	41.7	0.4	1.6	0.7	4.0	-	5.0	30.0
Matatiele bulk water supply	Construction of new bulk water scheme	Construction	182.3	25.8	20.2	13.1	2.0	12.0	-	-
Mount Ayliff bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Handed over	208.8	3.3	-	-	-	-	-	-
Jagersfontein/Fauresmith: Bulk water supply phase 2	Construction of new bulk water scheme	Construction	60.7	6.0	2.3	-	-	1.0	-	-
Phumelela bulk water supply phase 2	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	166.0	5.8	24.7	-	23.0	-	-	-

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Moghaka bulk water supply (Streyrus and Kroonstad water treatment works) phase 1	Construction of new bulk water scheme	Construction	115.9	32.9	9.7	13.3	–	–	10.0	50.0
Moghaka bulk sewer	Construction of bulk sewer	Construction	105.0	30.6	6.4	–	–	–	–	–
Nala bulk sewer (Wesselsbron/Monyakeng)	Construction of bulk sewer	Feasibility	46.0	23.0	5.3	–	–	–	–	–
Tswelopele bulk water supply phase 1	Construction of new bulk water scheme	Construction	109.6	10.1	20.3	17.2	20.0	2.0	20.0	20.0
Ratlou bulk water supply phase 1 (Setlagole)	Upgrading of existing water treatment works and construction of new bulk water scheme	Construction	218.1	16.0	30.9	1.8	35.0	40.0	40.0	40.0
Maluti-A-Phofung bulk water supply phase 2	Construction of new bulk water scheme	Construction	262.0	34.9	26.3	9.9	40.0	50.8	50.0	50.0
Greater Eston bulk water scheme	Construction of new bulk water scheme	Handed over	192.0	–	–	–	–	–	–	–
Driefontein Complex bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Handed over	196.1	–	–	–	–	–	–	–
Emadlangeni bulk regional scheme	Construction of new bulk water scheme	Handed over	50.3	–	–	–	–	–	–	–
Hlabisa regional bulk water supply	Construction of new bulk water scheme	Handed over	166.9	8.0	–	–	–	–	–	–
Port Nolloth bulk water supply	Construction of new bulk water scheme	Design	71.8	–	–	–	15.0	21.8	25.0	10.0
Colesberg bulk water supply	Construction of new bulk water scheme	Design	123.8	1.3	–	–	–	–	–	–
Noupoort bulk water supply	Construction of new bulk water scheme	Construction	77.7	40.6	7.2	–	–	–	–	–
De Aar bulk water supply	Upgrading of existing bulk water scheme	Design	48.9	–	–	–	20.0	6.8	5.0	17.1
Hopetown water treatment works bulk water supply (Thembelihle)	Upgrading of existing bulk water scheme	Handed over	75.0	–	–	–	–	–	–	–
Strydenburg groundwater project	Provision of groundwater development	Handed over	21.0	8.3	–	–	–	–	–	–
Heuningvei scheme bulk water supply	Construction of new bulk water scheme	Handed over	142.3	9.0	–	–	–	–	–	–
Kuruman bulk water supply phase 1 (reservoir)	Upgrading of existing bulk water scheme	Construction	186.9	15.6	12.2	–	–	–	–	–
Windsorton to Holpan bulk water supply phase 1 (pipeline)	Upgrading of existing bulk water scheme	Tender	43.9	3.5	16.3	10.0	–	–	–	–
Nooitgedagt bulk water supply	Construction of new bulk water scheme	Design	200.0	–	–	53.2	–	–	–	–
Niekerkshoop bulk water supply	Supply of water	Handed over	11.1	–	–	–	–	–	–	–
Mafube bulk sewer phase 1	Construction of new bulk water scheme	Construction	230.5	47.0	13.3	10.2	30.0	30.0	50.0	50.0
Pixley ka Seme bulk water supply	Upgrading of existing groundwater water scheme	Feasibility	40.0	–	–	–	–	–	–	–

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
R million										
Marydale bulk water supply	Upgrading of existing water treatment works and construction of new bulk water scheme	Feasibility	11.2	0.9	-	-	-	-	-	-
Upington wastewater treatment works	Construction of a new wastewater treatment works in Upington	Feasibility	107.8	-	-	-	30.0	31.4	25.0	21.4
Kakamas wastewater treatment works	Construction of new wastewater treatment works	Feasibility	50.0	0.3	-	-	-	10.0	12.1	25.0
Warrenton water treatment works	Upgrading of existing water treatment works and new bulk water scheme	Feasibility	30.6	-	0.8	-	-	-	-	-
Gariep Dam to Norvaltspond bulk water supply	Construction of new bulk water scheme	Construction	15.1	-	2.4	-	-	-	-	-
Vanderkloof/Renosterberg bulk water supply phase 1	Construction of new bulk water scheme	Construction	32.1	20.0	1.4	-	-	-	-	-
Driekoppies bulk water supply Upgradings	Construction of new bulk water scheme	Design	93.0	0.3	-	3.4	14.0	-	-	-
Acornhoek bulk water supply	Augmentation of existing bulk water scheme	Handed over	191.7	-	-	-	-	-	-	-
Sibange bulk water supply phase 1	Construction of new bulk water scheme	Design	154.0	0.5	-	3.0	20.5	50.0	60.0	20.0
Thaba Chweu groundwater development	Provision of groundwater development	Construction	8.5	-	-	-	-	-	-	-
Hoxane bulk water supply	Upgrading of existing water treatment works and construction of new bulk water scheme	Design	128.3	31.3	68.4	14.4	4.4	-	-	-
Wolmaransstad wastewater treatment works	Upgrading of existing wastewater treatment works	Construction	137.8	66.0	50.1	-	-	-	-	-
Nqamakwe water supply	Upgrading of existing wastewater treatment works	Feasibility	60.0	-	-	-	5.0	-	7.5	25.0
Worcester bulk water supply	Construction of new bulk water scheme	Construction	190.6	-	-	-	-	-	-	-
Grabouw wastewater treatment works	Upgrading of existing wastewater treatment works	Construction	61.6	2.2	-	-	-	-	-	-
Swellendam wastewater treatment works	Upgrading of existing wastewater treatment works	Handed over	61.2	-	-	-	-	-	-	-
Oudtshoorn groundwater supply	Provision of groundwater development	Feasibility	190.0	11.0	-	-	20.0	5.0	20.0	30.0
Beaufort West bulk water supply	Upgrading of existing wastewater treatment works and construction of new wastewater treatment works	Feasibility	46.3	-	-	-	5.0	5.0	5.0	10.0
Vanrhynsdorp raw water supply	Augmentation of existing bulk water scheme	Design	83.2	-	-	-	5.0	-	-	-
Klawer bulk water supply	Augmentation of existing bulk water scheme from boreholes	Design	25.7	-	-	-	4.0	5.0	6.0	6.0
Paarl bulk sewer phase 3	Construction of new bulk sewage conveyance pipelines	Construction	207.8	39.0	1.9	-	-	-	-	-

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Free State region	Upgrading of existing wastewater treatment works	Feasibility	77.5	0.7	4.1	–	30.0	–	–	–
Kannaland Dam relocation	Augmentation of existing bulk water scheme	Feasibility	79.2	–	0.2	–	30.0	10.0	19.0	20.0
Moretele bulk water supply (north)	Augmentation of existing bulk water scheme	Feasibility	100.0	32.6	–	18.0	2.5	–	–	–
Makana bulk water supply (James Kleynhans)	Augmentation of existing bulk water scheme	Design	191.2	3.5	8.4	10.3	25.0	78.0	66.0	–
Ntabankulu bulk water supply	Construction of new bulk water scheme	Feasibility	245.0	–	–	1.5	2.0	–	–	30.0
Capricorn master plan	Development of master plan	Master plan	3.1	–	–	–	–	–	–	–
Sekhukhune master plan	Development of master plan	Master plan	3.1	–	–	–	–	–	–	–
Bushbuckridge master plan	Development of master plan	Master plan	3.5	–	–	–	–	–	–	–
Upgrade of Delmas wastewater treatment works phase 2	Upgrading of existing wastewater treatment works	Design	111.0	13.3	–	24.0	28.8	30.0	15.0	–
Upgrade of Botleng wastewater treatment works	Upgrading of existing wastewater treatment works	Construction	57.7	18.5	9.3	1.1	–	–	–	–
Upgrading of Balfour wastewater treatment works phase 2	Upgrading of existing wastewater treatment works	Tender	21.3	21.3	–	–	(14.0)	–	–	–
Belmont wastewater treatment works	Upgrading of existing wastewater treatment works	Feasibility	142.0	–	–	–	6.0	–	7.0	30.0
Makana bulk sewer	Upgrading of existing wastewater treatment works	Feasibility	34.0	–	–	–	–	–	–	30.0
Mayfield wastewater treatment works	Upgrading of existing wastewater treatment works	Feasibility	72.5	–	2.5	–	20.0	–	–	30.0
Kinira regional bulk water supply	Construction of new bulk water scheme	Feasibility	34.5	–	–	–	2.0	–	–	30.0
Mount Ayliff bulk peri-urban water supply	Construction of new bulk water scheme	Feasibility	322.8	2.5	49.4	30.5	75.4	80.0	85.0	–
Mkemane regional bulk water supply	Construction of new bulk water scheme	Feasibility	52.0	–	–	1.0	2.0	–	–	25.7
Trompsburg bulk sewer	Upgrading of existing wastewater treatment works	Feasibility	76.0	–	–	–	–	–	–	–
Upgrading of Deneysville wastewater treatment works	Upgrading of existing wastewater treatment works	Feasibility	275.7	139.9	9.3	26.5	30.0	70.0	–	–
Masilonyana bulk sewer (Brandfort and Winburg)	Upgrading of existing wastewater treatment works	Feasibility	70.0	–	–	1.2	20.0	–	–	–
Mantsopa bulk sewer (Ladybrand)	Upgrading of existing wastewater treatment works	Feasibility	42.2	20.7	–	1.5	20.0	–	–	–
Rothdene pump station and raising main	Upgrading of existing wastewater treatment works	Feasibility	113.0	0.0	–	13.5	19.5	80.0	–	–
Mohlakeng pump station and sewer outfall	Upgrading of existing wastewater treatment works	Feasibility	147.9	5.9	0.8	0.9	43.7	37.5	48.9	61.5
Koster wastewater treatment works Upgrading	Upgrading of existing wastewater treatment works	Design	136.8	9.3	19.8	37.6	30.0	40.0	–	–
Ventersdorp bulk water supply	Construction of new bulk water scheme	Construction	55.0	–	–	–	–	–	–	–

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation 2018/19	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2019/20	2020/21	2021/22
R million										
Nebo bulk water supply (De Hoop agumentation/North/South/Steelpoort)	Construction of new bulk water scheme	Design	150.2	-	-	-	50.0	-	-	-
Douglas water treatment works upgrading	Upgrading of existing water treatment works	Design	59.0	0.8	-	-	21.2	15.0	12.0	10.0
Ermelo bulk water supply phase 2	Construction of new bulk water scheme	Construction	46.9	7.6	-	-	-	-	-	-
Carolina-Silobela bulk water scheme	Construction of new bulk water scheme	Feasibility	189.0	189.0	-	-	-	-	-	-
Provincial high catalytic projects (Mutash Hub)	Construction of new bulk water scheme for various purposes	Feasibility	211.7	193.0	-	-	18.7	-	-	-
Reitz-Lindley construction	Construction of sewer main	Construction	108.4	41.0	39.7	13.9	-	13.7	-	-
Clocolan construction of sewer main	Construction of sewer main	Construction	146.5	59.0	-	59.9	-	27.6	-	-
Clocolan construction of pump station	Construction of pump station	Construction	9.3	9.3	-	-	-	-	-	-
Senekal construction of sewer main	Construction of sewer main	Construction	157.8	38.9	-	54.1	-	64.8	-	-
Petrus Steyn refurbishment of a plant	Refurbishment of a package plant	Construction	52.8	-	-	45.0	-	7.8	-	-
Dealesville construction of sewer main	Construction of sewer main	Construction	63.5	-	-	20.0	-	43.5	-	-
Water services infrastructure grant	Water supply and sanitation backlog	Construction	1 474.0	-	1 445.1	-	28.9	-	-	-
Eastern Cape region	Construction of water supply and sanitation backlog	Construction	441.3	4.9	5.7	-	430.6	-	-	-
Free State region	Construction of water supply and sanitation backlog	Construction	913.1	48.7	150.1	492.4	-	222.0	-	-
KwaZulu-Natal region	Construction of water supply and sanitation backlog	Construction	-	150.6	110.6	77.0	122.4	-	-	-
Limpopo region	Construction of water supply and sanitation backlog	Construction	-	178.4	20.3	5.1	233.0	170.2	360.6	419.7
Mpumalanga region	Construction of water supply and sanitation backlog	Construction	-	58.2	1.3	-	-	20.0	50.7	60.0
North West region	Construction of water supply and sanitation backlog	Construction	-	7.2	1.2	69.1	502.3	115.0	212.6	180.0
Accelerated community infrastructure programme	Water supply and sanitation backlog	Construction	-	-	7.7	-	152.5	-	-	-
Community infrastructure: Water supply	Construction of new and refurbishment of existing water infrastructures	Construction	-	51.4	-	-	44.7	-	-	-
Wastewater infrastructure: Refurbishment	Upgrading of existing wastewater treatment works	Construction	-	96.9	-	3.0	123.3	-	-	-
Clanwilliam/Lamberts Bay regional water supply and desalination	Upgrading of existing bulk water scheme	Construction	61.5	59.3	-	-	-	-	-	-
Infrastructure network	Water resource infrastructure monitoring tool	Construction	200.0	189.3	-	23.7	31.0	-	-	-
Chris Hani district municipality bulk water supply: Quthubeni cluster 9	Construction of new bulk water scheme	Construction	208.0	32.9	-	-	-	-	-	-
Hofmeyer groundwater supply (phase 1 completed)	Development of borehole to augment existing bulk water scheme	Construction	47.4	12.0	-	-	-	-	-	-

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation 2018/19	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2019/20	2020/21	2021/22
R million										
Middelburg groundwater supply	Development of borehole to augment existing bulk water scheme	Construction	31.1	0.8	-	-	-	-	-	-
Mohokare bulk water supply	Construction of new bulk water scheme	Construction	170.3	22.0	28.6	-	-	-	-	-
Mantsopa (Tweespruit) and Hobhouse bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	120.0	15.0	-	-	-	-	-	-
Mandlakazi bulk water supply (phase 1 to be completed) and construction of water treatment works phase 2	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	94.0	57.0	-	-	-	-	-	-
Loeriesfontein bulk water supply	Construction of new bulk water scheme	Feasibility	40.0	4.1	-	-	-	-	-	-
Van Wyksvlei groundwater	Construction of new bulk water scheme	Design	97.6	1.8	-	-	-	-	-	-
Eerstehoek/Ekulindeni bulk water supply	Construction of new bulk water supply and upgrading of existing water treatment works	Feasibility	103.6	98.0	-	-	-	-	-	-
Lushuhwane bulk water supply	Construction of new bulk water and sanitation schemes	Design	91.9	76.0	-	-	-	-	-	-
Amsterdam and Sheepmore bulk water supply	Upgrading of existing water treatment works and new bulk water scheme	Feasibility	30.5	26.0	-	-	-	-	-	-
Citrusdal wastewater treatment works	Construction of new wastewater treatment works	Construction	35.6	19.6	-	-	-	-	-	-
Clanwilliam water treatment works	Upgrading of existing bulk water scheme	construction	16.0	0.9	2.2	-	-	-	-	-
Clanwilliam/Lamberts Bay regional water supply	Upgrading of existing bulk water scheme	Construction	59.5	21.0	0.9	-	-	-	-	-
Tulbagh bulk water supply (Witzenberg)	Construction of new bulk water scheme	Construction	73.8	8.3	0.9	-	-	-	-	-
Drakenstein wastewater treatment works	Upgrading existing wastewater treatment works	Handed over	29.0	21.0	-	-	-	-	-	-
Stellenbosch wastewater treatment works	Upgrading existing wastewater treatment works	Construction	111.0	10.0	18.0	-	-	-	-	-
Williston bulk water supply	Construction of new bulk water scheme	Feasibility	47.0	44.8	-	-	-	-	-	-
Matatiele bulk water supply	Construction of new bulk water scheme	Construction	182.3	25.8	-	-	-	-	-	-
Petrus Steyn outfall sewer	Construction of outfall sewer	Construction	27.1	-	-	-	-	-	-	-
Memel refurbishment wastewater treatment works and sewer	Refurbishment of a sewer	Construction	3.5	-	-	-	-	-	-	-
Tweeling sewer pump station	Construction of sewer pump station	Construction	7.5	-	-	-	-	-	-	-
Ficksburg outfall sewer	Construction of outfall sewer	Construction	1.7	-	-	-	-	19.3	-	-
Arlington grey water package plant	construction of rising main	Construction	7.6	-	-	-	-	65.0	-	-
Dewetsdorp outfall sewer line	Construction of outfall sewer	Construction	3.1	-	-	-	-	-	-	-
Heilbron sewer and pump station	Construction of sewer and pump station	Construction	9.9	-	-	-	-	-	-	-
Hertzogville outfall sewer pump station	Construction of outfall sewer	Construction	3.0	-	-	-	-	3.0	-	-
Louisvale pump station	Construction of new pump station	Construction	8.2	-	-	-	-	-	-	-

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Louisvale pump station Prefab	Refurbishment of pump station	Construction	4.4	–	–	–	–	–	–	–
Breipaal pump station	Construction of new pump station	Construction	4.4	–	–	–	–	–	–	–
Calitzdorp and Ladysmith	Upgradings of wastewater treatment works	Feasibility	77.5	–	–	–	–	15.0	30.0	30.0
Northern Cape water services infrastructure grant	Sanitation backlog	Construction	96.9	–	–	175.8	–	96.9	–	–
Gauteng Region water services infrastructure grant	Sanitation backlog	Construction	20.0	–	–	–	–	20.0	55.0	70.0
Nama Khoi	Construction of bulk bucket	Construction	0.2	–	–	–	–	0.2	–	–
Britstown	Construction of bulk bucket	Construction	0.2	–	–	–	–	0.2	–	–
Marydale	Construction of bulk bucket	Construction	5.9	–	–	–	–	5.9	–	–
Breipaal	Construction of bulk bucket	Construction	0.3	–	–	–	–	0.3	–	–
Campbell	Construction of bulk bucket	Construction	29.5	–	–	–	–	29.5	–	–
Griekwastad	Construction of bulk bucket	Construction	3.6	–	–	–	–	3.6	–	–
Petrusville	Construction of bulk bucket	Construction	0.6	–	–	–	–	0.6	–	–
Victoria West	Construction of bulk bucket	Construction	14.0	–	–	–	–	14.0	–	–
Kalksloot	Construction of bulk bucket	Construction	1.6	–	–	–	–	1.6	–	–
Pabalello	Construction of bulk bucket	Construction	1.6	–	–	–	–	1.6	–	–
Rosedale	Construction of bulk bucket	Construction	9.0	–	–	–	–	9.0	–	–
Maranteng	Construction of bulk bucket	Construction	4.2	–	–	–	–	4.2	–	–
Postdene	Construction of bulk bucket	Construction	3.1	–	–	–	–	3.1	–	–
Infrastructure transfers to other spheres, agencies and departments										
Mega projects (total project cost of at least R1 billion over the project life cycle)										
Olifants River water resources development project: De Hoop Dam phase 2A	Supply of water to new mining developments; and augmentation of domestic water supplies to urban and rural users in the middle of the Olifants River catchment area, and to various communities on the Nebo plateau and Sekhukhune	Handed over	3 074.0	19.5	17.9	3.2	10.0	–	–	–
Olifants River water resources development project phases 2B and 2G	Construction of Flag Boshielo to Mokopane pipeline and second pipeline between Flag Boshielo to Mokopane	Design	13 114.0	–	–	–	–	–	–	–
Olifants River water resources development project phase 2C	Supply of water to new mining developments; and augmentation of domestic water supplies to urban and rural users in the middle of the Olifants River catchment area and to various communities on the Nebo plateau and Sekhukhune	Construction	2 267.0	–	154.2	49.5	80.0	–	–	–
Olifants River water resources development project phase 2D	Construction of second pipeline between Steelpoort weir and Mooihoek	Tender	2 000.0	–	–	26.1	–	181.2	308.6	419.6
Olifants River water resources development project phases 2E and 2F	Construction of second pipeline parallel to Lebalelo scheme and Lebalelo scheme to Olifantspoort	Design	3 115.9	–	–	–	53.1	–	19.3	63.3
Groot Letaba River water development project: Nwamitwa Dam	Meeting of projected growing primary supply requirements for 2025, improvement of water availability for the riverine ecosystem and building of Nwamitwa Dam	Design	3 761.0	25.6	177.1	26.0	84.9	–	86.3	96.3

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Dam safety rehabilitation programme	Rehabilitation of assets and improvement of dam safety	Design	2 800.0	170.0	–	33.9	110.0	150.0	175.0	200.0
Water resources project: Raising of Clanwilliam Dam	Upgrading of existing dam to stabilise distortion and augmentation of agricultural water supply to meet increasing demands	Tender	3 300.0	196.2	–	5.4	–	268.1	377.6	427.1
Mokolo-Crocodile water augmentation project phases 2A	Augmentation of domestic and industrial water supply to the new Eskom/independent power producer power stations to extend associated mining activities and accommodate growing population in the area	Feasibility	11 984.6	–	–	–	143.0	250.0	263.8	278.3
Acid mine drainage	Construction of water treatment works	Feasibility	–	–	683.8	200.0	350.0	300.0	300.0	300.0
OR Tambo, Mthatha, King Sabata and Dalindyebo district municipality bulk water supply and sanitation	Augmentation of existing bulk water scheme	Construction	3 001.5	457.5	350.5	325.0	334.5	246.4	–	–
Vaal Gamagara bulk water supply (phase 1)	Upgrading of existing bulk water scheme	Construction	18 000.0	53.8	215.6	350.0	350.0	137.5	110.0	–
Polokwane wastewater treatment works	Upgrading of existing wastewater treatment works	Design	1 043.8	–	–	90.0	128.5	531.0	644.5	297.1
Polokwane bulk water supply	Construction of new bulk water scheme and Upgrading of existing bulk water scheme	Construction	1 832.0	–	130.2	119.7	158.5	100.0	–	–
Umgeni water board: Lower Thukela bulk water supply scheme	Construction of new bulk water scheme	Construction	1 044.0	279.1	213.1	209.6	41.3	–	–	–
Umshwathi bulk water supply scheme	Construction of new bulk water scheme	Tender	2 308.7	–	209.9	142.0	350.9	160.0	305.5	552.4
Greater Mthonjaneni bulk water supply phases 2	Construction of new bulk water scheme	Construction	1 228.2	211.8	182.2	36.4	50.0	30.0	30.0	37.3
Ngcebo bulk water supply (iLembe)	Construction of new bulk water scheme	Construction	1 420.7	106.5	156.1	145.0	90.0	35.0	30.0	70.0
Large projects (total project cost of at least R250 million but less than R1 billion over the project life cycle)										
Groot Letaba River water development project: Raising of Tzaneen Dam	Meeting of projected growing primary supply requirements for 2025, improvement of water availability for the riverine ecosystem and raising of Tzaneen Dam	Design	600.0	15.2	–	26.7	121.9	208.9	154.3	21.0
Mdloti River development project: Raising of Hazelmere Dam	Augmentation of water supply to Umgeni Water for treatment, for KwaZulu-Natal north coast	Construction	788.8	188.2	217.3	128.3	110.0	110.0	35.0	–
Mopani district municipality emergency works	Refurbishment of dilapidated infrastructure	Construction	100.7	100.7	–	–	–	–	–	–
Taung/Naledi bulk water supply phase 2	Construction of new bulk water scheme and Upgrading of existing bulk water scheme	Construction	733.8	63.7	69.3	55.0	30.0	60.0	69.7	107.7
Namakwa bulk water supply phase 1	Upgrading of existing bulk water scheme	Construction	648.3	149.7	63.4	83.2	19.7	75.0	135.0	–
Pilanesberg south bulk water supply phase 2	Upgrading of existing bulk water scheme and construction of new bulk water scheme	Construction	796.6	150.0	142.8	58.4	–	65.4	70.0	60.3
Amatola Water: Refurbishment of 6 existing plants and downstream infrastructure	Upgrading of existing bulk water scheme	Construction	500.0	169.1	–	88.6	92.4	–	–	–

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Refurbishment of Greater Mamusa bulk water supply phase 1	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	491.2	46.8	55.0	101.0	90.0	61.7	60.0	76.8
Chris Hani district municipality Ncora bulk water supply cluster 4	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	461.8	72.6	68.3	45.0	40.0	40.0	85.0	110.9
Chris Hani district municipality Ngcobo bulk water supply cluster 6	Construction of new bulk water scheme and spring protection	Construction	345.6	48.0	63.3	35.0	7.0	35.3	72.0	85.0
Xonxa Dam bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	444.0	68.3	58.0	26.0	7.0	–	80.0	–
Mhlabatshane bulk water supply	Construction of new bulk water scheme	Construction	483.5	8.8	12.8	–	–	–	–	–
Greytown bulk water supply phase 2	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	950.0	93.6	106.4	98.9	60.0	20.0	13.5	–
Middeldrift bulk water supply	Construction of new water treatment works	Construction	349.4	24.1	79.0	30.0	54.8	61.5	50.0	50.0
Greater Bulwer bulk water supply phase 2	Upgrading of existing water treatment works	Construction	369.5	14.0	60.0	90.0	100.0	20.0	25.5	60.0
Nongoma bulk water supply	Construction of new bulk water scheme	Construction	529.1	131.8	110.4	70.0	65.2	73.8	33.8	–
Dukuduku resettlement bulk water supply	Construction of new bulk water scheme	Construction	266.4	15.0	15.2	–	–	–	–	–
Greater Mpofana regional bulk water supply phases 1-3	Construction of new bulk water scheme	Feasibility	469.3	–	–	86.8	161.6	80.0	100.7	258.5
Driefontein phase 3 (Spioenkop to Ladysmith) bulk water supply	Construction of bulk water scheme	Feasibility	350.0	–	–	–	100.0	–	100.0	400.0
Maphumulo bulk water supply	Construction of bulk water scheme	Feasibility	294.6	–	–	80.0	100.0	80.0	104.6	–
Chris Hani district municipality bulk water supply: Quthubeni cluster 9 phase 1	Construction of new bulk water scheme	Construction	208.0	32.9	15.0	95.0	75.0	–	85.0	–
Middelburg groundwater supply	Development of borehole to augment existing bulk water scheme	Construction	32.5	0.8	6.4	6.0	3.0	30.0	–	–
Masilonyana bulk water supply phase 1	Upgrading of existing bulk water scheme	Design	304.9	41.9	6.9	15.0	30.0	–	–	–
Driefontein Indaka bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	378.5	20.8	64.0	75.1	–	10.0	39.4	–
Mandlakazi bulk water supply phase 5	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	94.0	57.0	27.7	40.0	89.7	90.0	100.0	200.0
Balf/Siyat/Greyl/Willem/Nthor bulk water supply	Construction of new bulk water scheme	Various	590.7	7.7	36.6	42.0	31.3	70.0	85.0	100.0
Msukaligwa regional water supply phase 1	Construction of new bulk water scheme	Design	407.0	–	–	3.0	10.0	25.0	68.4	58.1
Empuluzi and Methula bulk water supply	Upgrading of existing bulk water scheme	Feasibility	291.0	–	–	5.0	41.9	65.0	100.0	96.9
Kagisano Molopo bulk water supply	Upgrading of existing water treatment works and new bulk water scheme	Feasibility	350.0	18.0	9.0	26.0	37.0	–	–	–
Stellenbosch wastewater treatment works phase 2	Upgrading of existing wastewater treatment works	Construction	304.3	48.1	32.8	–	–	–	–	–
Nooitgedagt bulk water supply	Construction of new bulk water scheme	Construction	390.3	–	–	–	–	185.0	–	–
Goedertrouw transfer scheme	Construction of new bulk water scheme	Construction	350.0	–	–	301.2	350.0	170.0	–	–
Lady Grey bulk water supply	Construction of new bulk water scheme	Feasibility	95.0	–	–	–	–	–	20.0	75.0
Financial management/project support	Funding of financial management and support		1 716.8	–	–	–	–	535.0	573.0	608.9

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18		2018/19	2019/20	2020/21
R million										
Small projects (total project cost of less than R250 million over the project life cycle)										
Bushbuckridge water treatment plant, pipelines and reservoirs	Supply of water to Bushbuckridge area	Handed over	144.5	–	–	–	–	–	–	–
Zeerust water treatment plant, pipelines and reservoirs	Supply of water to Zeerust area	Handed over	14.2	–	–	–	–	–	–	–
Mzimvubu water project	Construction of 2 large dams and bulk distribution system in the Eastern Cape	Design	20 000.0	–	–	–	100.0	–	–	–
Abaqulusi, Nongoma and Jozini water intervention projects	Supply of water	Construction	100.0	–	–	55.0	–	–	–	–
Free State region	Construction of new bulk water scheme	Feasibility	128.5	2.5	10.4	83.2	10.0	–	–	–
Sterkspruit bulk water supply	Construction of new bulk water scheme	Feasibility	50.0	–	2.5	52.2	13.0	–	20.0	77.7
Coffee bay wastewater treatment works	Upgrading of existing water treatment works	Feasibility	130.0	–	12.7	88.6	7.0	–	15.0	60.0
Setsoto bulk water supply phases 1 and 2	Construction of new bulk water scheme	Construction	147.6	40.6	45.7	101.0	20.0	70.1	92.1	80.0
Rouxville/Smithfield/Zastron Mohokare bulk water supply phase 1	Construction of new bulk water scheme	Construction	180.3	44.1	31.8	45.0	30.0	30.0	5.0	–
Mantsopa bulk water supply phase 1	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	250.0	13.4	8.3	35.0	20.0	5.0	–	–
Ngwathe bulk water supply phase 2	Construction of new bulk water scheme	Construction	250.0	6.8	2.3	26.0	30.0	38.0	52.5	77.8
Lushuhwane bulk water scheme	Construction of new bulk water and sanitation schemes	Design	91.9	–	25.4	–	36.5	57.0	–	–
Upgrading of Balfour wastewater treatment works phase 2	Upgrading of existing wastewater treatment works	Tender	85.5	–	23.0	80.9	15.3	48.0	10.0	–
Bushbuckridge water services (Cunningmore to Newington bulk water supply) phase 1	Construction of new bulk water scheme	Feasibility	190.0	–	40.0	30.0	–	40.0	40.0	–
Eerstehoek/Ekulindeni bulk water supply	Construction of new bulk water supply and Upgrading of existing water treatment works	Feasibility	115.1	–	–	90.0	25.6	25.0	25.0	99.0
Amsterdam wastewater treatment works phase 1	Upgrading of existing water treatment works and construction of new bulk water scheme	Feasibility	30.5	–	12.3	70.0	23.0	40.0	30.0	20.0
Van Wyksvlei groundwater phase 1 (pipeline upgrade)	Construction of new bulk water scheme	Design	94.7	1.8	15.0	–	46.8	–	–	–
Hantam desalination plant (Brandvlei)	Construction of new desalination plant	Construction	66.6	4.1	5.3	86.8	30.0	21.5	7.3	8.0
Loeriesfontein bulk water supply phase 1 (pipeline)	Construction of new bulk water scheme	Construction	95.4	3.6	14.2	–	17.2	–	–	–
Ritchie wastewater treatment works bucket eradication programme	Construction of bulk water supply line and extension of the treatment works as well as associated infrastructure.	Construction	40.4	3.0	–	80.0	10.6	–	–	–
Williston bulk water supply	Construction of new bulk water scheme	Feasibility	47.0	0.5	–	95.0	30.0	20.0	–	–
Britstown oxidation ponds	Upgrading of existing wastewater treatment works	Design	30.6	–	0.8	6.0	30.0	3.9	–	–
Danielskuil wastewater treatment works	Upgrading of existing water treatment works	Feasibility	12.6	–	–	15.0	–	12.6	40.0	50.0

Additional table: Summary of expenditure on infrastructure

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation	Medium-term expenditure estimate		
				2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
R million										
Kathu bulk water supply	Construction of new bulk water scheme	Feasibility	90.0	–	–	75.1	21.6	31.0	51.4	46.1
Christiana wastewater treatment works	Upgrading of existing water treatment works	Feasibility	55.5	–	2.7	40.0	–	–	–	–
Citrusdal wastewater treatment works phase 2	Construction of new wastewater treatment works	Construction	52.7	19.6	2.7	42.0	–	–	–	–
Clanwilliam/Lamberts Bay regional water supply	Upgrading of existing bulk water scheme	Construction	61.5	–	14.4	3.0	–	–	–	–
Tulbagh bulk water supply (Witzenberg)	Construction of new bulk water scheme	Construction	76.8	–	27.8	5.0	10.0	19.5	–	–
Clanwilliam water treatment works	Upgrading of existing bulk water scheme	Construction	31.3	–	4.0	26.0	–	–	–	–
Hofmeyr groundwater	Development of borehole to augment existing bulk water scheme	Construction	64.0	12.0	6.8	–	–	–	–	–
Eastern Cape region	Water supply and sanitation backlog	Construction	3 710.4	441.8	503.5	485.5	494.6	520.5	574.6	689.9
Free State region	Water supply and sanitation backlog	Construction	1 795.9	15.0	131.0	247.0	340.3	307.3	380.6	374.6
Gauteng region	Water supply and sanitation backlog	Design	967.0	–	70.0	150.0	175.0	184.9	195.1	192.0
KwaZulu-Natal region	Water supply and sanitation backlog	Construction	6 469.7	803.1	855.6	890.0	1 064.6	903.4	955.6	997.4
Limpopo region	Water supply and sanitation backlog	Construction	3 560.0	130.5	540.3	527.5	605.0	506.7	605.6	644.4
Mpumalanga region	Water supply and sanitation backlog	Construction	2 728.6	263.7	398.7	393.8	300.0	510.0	402.4	460.0
Northern Cape region	Water supply and sanitation backlog	Construction	1 631.7	87.7	141.0	260.5	225.0	308.6	291.0	317.9
North West region	Water supply and sanitation backlog	Construction	1 961.6	62.0	204.9	321.0	334.6	328.0	346.0	365.1
Western Cape region	Water supply and sanitation backlog	Construction	390.0	–	–	30.0	20.0	100.0	120.0	120.0
Total			231 132.8	12 518.9	11 897.5	11 309.7	12 437.9	12 373.4	13 055.3	13 967.4

