

# Vote 36

## Water and Sanitation

### Budget summary

R million	2018/19				2019/20	2020/21
	Total	Current payments	Transfers and subsidies	Payments for capital assets	Total	Total
<b>MTEF allocation</b>						
Administration	1 714.6	1 630.4	20.9	63.3	1 808.0	1 921.9
Water Planning and Information Management	862.1	785.3	1.3	75.5	964.8	1 029.8
Water Infrastructure Development	12 496.2	392.4	8 609.4	3 494.4	13 232.5	13 958.5
Water Sector Regulation	498.6	485.8	1.6	11.2	461.4	498.8
<b>Total expenditure estimates</b>	<b>15 571.5</b>	<b>3 293.8</b>	<b>8 633.3</b>	<b>3 644.4</b>	<b>16 466.6</b>	<b>17 409.0</b>
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](http://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 water-related policies and legislation that are critical in delivering on the 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		
			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Number of reports on progress analysed against the approved annual international relations implementation plan per year	Administration	Departmental mandate	-1	-1	4	-2	-2	-2	-2
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	-1	-1	2	1	4	2	3

**Table 36.1 Performance indicators by programme and related outcome**

Indicator	Programme	MTSF outcome	Past			Current	Projections		
			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Number of mega regional bulk infrastructure project phases completed per year	Water Infrastructure Development	Outcome 6: An efficient, competitive and responsive economic infrastructure network	- <sup>1</sup>	- <sup>1</sup>	0 <sup>3</sup>	0 <sup>3</sup>	1	1	1
Number of large regional bulk infrastructure project phases completed per year	Water Infrastructure Development		- <sup>1</sup>	- <sup>1</sup>	0 <sup>3</sup>	16	10	12	15
Number of small regional bulk infrastructure project phases completed per year	Water Infrastructure Development		- <sup>1</sup>	- <sup>1</sup>	31	10	4	18	11
Number of small projects completed through the Accelerated Community Infrastructure Programme subprogramme per year	Water Infrastructure Development		- <sup>1</sup>	- <sup>1</sup>	20	1	- <sup>4</sup>	- <sup>4</sup>	- <sup>4</sup>
Number of small projects completed through the water services infrastructure grant per year	Water Infrastructure Development		- <sup>1</sup>	- <sup>1</sup>	316	30	0	115	65
Number of existing bucket sanitation backlog systems in formal settlements replaced with adequate sanitation services per year	Water Infrastructure Development	Outcome 9: Responsive, accountable, effective and efficient developmental local government	20 581	28 365	6 978	13 538	11 844	- <sup>4</sup>	- <sup>4</sup>
Number of waste water systems assessed for compliance with the green drop regulatory standards per year	Water Sector Regulation	Departmental mandate	967	- <sup>5</sup>	- <sup>5</sup>	963	963	963	963
Number of water supply systems assessed for compliance with blue drop regulatory standards per year	Water Sector Regulation	Departmental mandate	913	- <sup>5</sup>	763	1 036	1 010	1 010	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	23% (375/1 652)	91% (262/288)	68% (275/404)	80%	80%	80%	80%

1. No historical data available.

2. Indicator discontinued.

3. Project could not be implemented due to funding limitations.

4. Programme ends.

5. No blue or green drop assessments were conducted in 2015/16.

## Expenditure analysis

Chapter 4 of the National Development Plan (NDP) sets out a vision for South Africa that recognises access to water and sanitation, and the appropriate management and provision of services relating to water and sanitation, as key components of socioeconomic development. This is given expression by outcome 6 (an efficient, competitive and responsive economic infrastructure network), outcome 9 (responsive, accountable, effective and efficient local government system) and outcome 10 (protect and enhance our environmental assets and natural resources) of government's 2014-2019 medium-term strategic framework. The work of the Department of Water and Sanitation is directly aligned with these outcomes. Over the medium term, the department will continue to focus on making transfers to the Water Trading Entity for the maintenance of raw and bulk water services infrastructure; and for planning, managing, monitoring and protecting water resources

and infrastructure, and regulating the entire water value chain.

The department's total expenditure is expected to increase at an average annual rate of 3.7 per cent, from R15.6 billion in 2017/18 to R17.4 billion in 2020/21, with allocations to the *Water Infrastructure Development* programme accounting for 80.6 per cent (R39.7 billion) of this amount. Spending in this programme is mainly driven by transfers to water boards for the provision of regional bulk infrastructure, transfers to the Water Trading Entity, the regional bulk and water services infrastructure grants and the *Accelerated Community Infrastructure Programme* subprogramme. As a result of Cabinet approved reductions of R3.1 billion to these transfers and subprogrammes over the medium term, allocations to the *Water Infrastructure Development* programme increase at below inflation, at an average annual rate of 3 per cent, from R12.8 billion in 2017/18 to R14 billion in 2020/21.

To fill critical positions for engineers and programme managers in the *Water Infrastructure Development* programme, the department expects to increase its number of personnel from 3 529 in 2017/18 to 3 597 in 2020/21. As a result, spending on compensation of employees is expected to increase from R1.6 billion in 2017/18 to R2 billion in 2020/21, at an average annual rate of 8.2 per cent, accounting for an estimated 11 per cent (R5.6 billion) of the department's total budget over the MTEF period.

### ***Sustainable water infrastructure development***

Transfers to departmental agencies and accounts is the fastest growing expenditure item in the department's budget. This is mainly due to increases in transfers to the Water Trading Entity in the *Water Infrastructure Development* programme. These transfers are expected to increase at an average annual rate of 10.3 per cent, from R1.9 billion in 2017/18 to R2.5 billion in 2020/21, mainly for the acid mine drainage project, which purifies mine water and pumps it to augment the yield of the Vaal River system; and to subsidise capital for the operations and maintenance of infrastructure for water resources.

For the construction of 3 mega, 37 large and 33 small regional bulk water and sanitation projects, disbursements from the *regional bulk infrastructure grant* are expected to amount to R17.6 billion over the medium term.

Funding from the *water services infrastructure grant* is expected to be used to replace the remaining 11 844 bucket sanitation systems in Free State and Northern Cape with waterborne sanitation services in 2018/19, and construct 180 small interim water and sanitation systems across the country. Allocations to the grant are expected to increase at an average annual rate of 2.4 per cent, from R4.4 billion in 2017/18 to R4.7 billion in 2020/21.

### ***Enhancing project planning and strengthening regulatory oversight***

Over the next three years, the department plans to finalise the water and sanitation master plan, which will serve as a roadmap for the planning and implementation of water and sanitation projects. To strengthen integrated planning, the department has reallocated R391.4 million over the medium term from goods and services items across all programmes towards infrastructure planning and services in the *Water Planning and Information Management* programme. As a result, expenditure in the programme is expected to increase from R802.4 million in 2017/18 to R1 billion in 2020/21, at an average annual rate of 8.7 per cent.

Assessing 963 wastewater systems per year over the MTEF period, in line with the green drop regulatory standards, and 1 010 water supply systems per year, in line with the blue drop regulatory standards, is expected to drive an increase in spending in the *Compliance Monitoring and Enforcement* subprogramme. As a result, allocations to the *Water Sector Regulation* programme are set to increase at an average annual rate of 8.1 per cent, from R394.8 million in 2017/18 to R498.8 million in 2020/21.

To ensure more equitable allocation of water resources for social and economic development, the department aims to finalise 80 per cent of authorised water use licence applications within 300 days of receipt over the medium term. As a result of the anticipated increase in licence applications, spending in the *Water Use Authorisation and Administration* subprogramme in the *Water Sector Regulation* programme is expected to increase from R65.5 million in 2017/18 to R86.2 million in 2020/21, at an average annual rate of 9.6 per cent.

## 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														
R million	Annual budget			Annual budget			Annual budget			Annual budget			Average: Outcome/Annual budget (%)	Average: Outcome/Adjusted appropriation (%)
	2014/15	Adjusted appropriation	Audited outcome	2015/16	Adjusted appropriation	Audited outcome	2016/17	Adjusted appropriation	Audited outcome	2017/18	Adjusted appropriation	Revised estimate		
Programme 1	–	1 404.0	1 335.6	1 526.2	1 487.5	1 448.1	1 642.7	1 591.9	1 557.9	1 628.4	1 649.9	1 649.9	124.9%	97.7%
Programme 2	–	853.6	812.5	814.0	744.0	701.0	853.7	831.0	815.4	816.5	802.4	802.4	126.0%	96.9%
Programme 3	–	11 199.3	9 310.9	13 875.0	13 230.4	13 147.0	12 430.0	12 782.4	12 953.9	12 251.7	12 760.4	12 760.4	124.9%	96.4%
Programme 4	–	190.5	157.6	231.3	284.6	260.9	318.8	319.2	308.2	410.8	394.8	394.8	116.7%	94.3%
<b>Total</b>	–	<b>13 647.4</b>	<b>11 616.7</b>	<b>16 446.5</b>	<b>15 746.5</b>	<b>15 557.0</b>	<b>15 245.3</b>	<b>15 524.6</b>	<b>15 635.4</b>	<b>15 107.4</b>	<b>15 607.4</b>	<b>15 607.4</b>	<b>124.8%</b>	<b>96.5%</b>
Change to 2017 Budget estimate										500.0				
Economic classification														
Current payments	–	3 058.5	2 595.6	3 175.0	3 122.2	2 902.3	3 319.2	3 205.9	3 139.9	3 301.5	3 167.3	3 167.3	120.5%	94.0%
Compensation of employees	–	1 388.0	1 275.7	1 492.1	1 428.4	1 360.4	1 667.3	1 540.2	1 439.9	1 651.9	1 571.9	1 571.9	117.4%	95.3%
Goods and services	–	1 670.3	1 318.8	1 682.9	1 687.2	1 535.4	1 651.9	1 665.6	1 699.9	1 649.6	1 583.8	1 583.8	123.1%	92.9%
Interest and rent on land	–	0.1	1.1	–	6.5	6.5	–	0.1	0.1	–	11.6	11.6	–	105.2%
<b>Transfers and subsidies</b>	–	<b>4 563.9</b>	<b>4 588.8</b>	<b>6 086.4</b>	<b>5 072.6</b>	<b>5 078.3</b>	<b>7 480.3</b>	<b>7 484.2</b>	<b>7 482.9</b>	<b>8 114.5</b>	<b>8 416.1</b>	<b>8 416.1</b>	<b>117.9%</b>	<b>100.1%</b>
Provinces and municipalities	–	1 033.3	1 051.4	2 155.4	2 305.5	2 305.7	4 695.4	4 695.4	4 681.3	5 194.9	5 195.2	5 195.2	109.9%	100.0%
Departmental agencies and accounts	–	2 737.8	2 739.5	2 516.8	1 739.2	1 744.8	1 713.7	1 713.7	1 725.9	1 586.1	1 886.1	1 886.1	–	–
Higher education institutions	–	–	–	0.6	2.0	1.0	–	–	–	–	–	–	166.7%	50.0%
Foreign governments and international organisations	–	185.2	185.2	180.9	189.3	189.2	188.4	188.4	188.3	197.7	197.7	197.7	134.1%	100.0%
Public corporations and private enterprises	–	580.0	579.9	1 200.0	802.0	801.7	844.8	844.8	844.8	1 098.5	1 098.5	1 098.5	105.8%	100.0%
Non-profit institutions	–	1.9	1.8	1.9	2.0	0.7	2.8	2.8	3.3	1.2	1.2	1.2	119.0%	89.1%
Households	–	25.7	31.0	30.7	32.7	35.2	35.3	39.3	39.3	36.1	37.5	37.5	140.0%	105.8%
<b>Payments for capital assets</b>	–	<b>6 025.0</b>	<b>4 432.2</b>	<b>7 185.1</b>	<b>7 551.8</b>	<b>7 571.4</b>	<b>4 445.8</b>	<b>4 834.5</b>	<b>5 012.6</b>	<b>3 691.5</b>	<b>4 024.1</b>	<b>4 024.1</b>	<b>137.3%</b>	<b>93.8%</b>
Buildings and other fixed structures	–	5 937.3	4 368.4	7 084.7	7 419.0	7 456.0	4 334.6	4 697.3	4 926.7	3 561.2	3 884.2	3 884.2	137.7%	94.1%
Machinery and equipment	–	83.4	53.5	74.0	92.3	86.5	87.7	109.3	62.0	87.2	113.0	113.0	126.6%	79.1%
Land and sub-soil assets	–	0.9	–	–	–	–	–	–	–	–	–	–	–	–
Software and other intangible assets	–	3.4	10.3	26.5	40.4	29.0	23.4	27.9	24.0	43.1	26.9	26.9	97.0%	91.5%
<b>Payments for financial assets</b>	–	–	0.1	–	–	4.8	–	–	0.0	–	–	–	–	–
<b>Total</b>	–	<b>13 647.4</b>	<b>11 616.7</b>	<b>16 446.5</b>	<b>15 746.5</b>	<b>15 557.0</b>	<b>15 245.3</b>	<b>15 524.6</b>	<b>15 635.4</b>	<b>15 107.4</b>	<b>15 607.4</b>	<b>15 607.4</b>	<b>124.8%</b>	<b>96.5%</b>

## 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									
R million	Revised estimate	Average growth rate (%)	Average: Expenditure/Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/Total (%)	
				2018/19	2019/20	2020/21			
Programme 1	1 649.9	5.5%	10.3%	1 714.6	1 808.0	1 921.9	5.2%	10.9%	
Programme 2	802.4	-2.0%	5.4%	862.1	964.8	1 029.8	8.7%	5.6%	
Programme 3	12 760.4	4.4%	82.5%	12 496.2	13 232.5	13 958.5	3.0%	80.6%	
Programme 4	394.8	27.5%	1.9%	498.6	461.4	498.8	8.1%	2.8%	
<b>Total</b>	<b>15 607.4</b>	<b>4.6%</b>	<b>100.0%</b>	<b>15 571.5</b>	<b>16 466.6</b>	<b>17 409.0</b>	<b>3.7%</b>	<b>100.0%</b>	
Change to 2017 Budget estimate				(989.3)	(1 048.2)	(1 106.2)			

**Table 36.3 Vote expenditure estimates by programme and economic classification**

Economic classification	Revised estimate	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
				2018/19	2019/20	2020/21		
R million	2017/18	2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21	
<b>Current payments</b>	<b>3 167.3</b>	<b>1.2%</b>	<b>20.2%</b>	<b>3 293.8</b>	<b>3 464.5</b>	<b>3 687.7</b>	<b>5.2%</b>	<b>20.9%</b>
Compensation of employees	1 571.9	4.2%	9.7%	1 720.2	1 851.3	1 990.2	8.2%	11.0%
Goods and services	1 583.8	-1.8%	10.5%	1 573.6	1 613.2	1 697.5	2.3%	9.9%
Interest and rent on land	11.6	336.0%	0.0%	–	–	–	-100.0%	0.0%
<b>Transfers and subsidies</b>	<b>8 416.1</b>	<b>22.6%</b>	<b>43.8%</b>	<b>8 633.3</b>	<b>9 160.5</b>	<b>9 664.1</b>	<b>4.7%</b>	<b>55.1%</b>
Provinces and municipalities	5 195.2	71.3%	22.7%	5 438.6	5 736.2	6 051.6	5.2%	34.5%
Departmental agencies and accounts	1 886.1	-11.7%	13.9%	2 269.8	2 396.2	2 528.0	10.3%	14.0%
Foreign governments and international organisations	197.7	2.2%	1.3%	209.2	220.9	233.1	5.6%	1.3%
Public corporations and private enterprises	1 098.5	23.7%	5.7%	694.7	782.9	825.8	-9.1%	5.2%
Non-profit institutions	1.2	-15.3%	0.0%	1.0	0.9	0.9	-7.5%	0.0%
Households	37.5	13.4%	0.2%	20.0	23.4	24.7	-13.0%	0.2%
<b>Payments for capital assets</b>	<b>4 024.1</b>	<b>-12.6%</b>	<b>36.0%</b>	<b>3 644.4</b>	<b>3 841.5</b>	<b>4 057.2</b>	<b>0.3%</b>	<b>23.9%</b>
Buildings and other fixed structures	3 884.2	-13.2%	35.3%	3 520.1	3 715.0	3 919.3	0.3%	23.1%
Machinery and equipment	113.0	10.6%	0.5%	96.8	100.6	107.6	-1.6%	0.6%
Software and other intangible assets	26.9	99.4%	0.2%	27.5	26.0	30.3	4.0%	0.2%
<b>Total</b>	<b>15 607.4</b>	<b>4.6%</b>	<b>100.0%</b>	<b>15 571.5</b>	<b>16 466.6</b>	<b>17 409.0</b>	<b>3.7%</b>	<b>100.0%</b>

## 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 (%)
	2014/15	2015/16	2016/17				2017/18	2018/19	2019/20		
R thousand					2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21	
Water resource and bulk infrastructure	6 438 842	7 230 058	7 718 063	7 648 986	5.9%	49.7%	7 153 222	8 057 298	8 503 470	3.6%	48.2%
Regional and local water and sanitation services	2 345 918	3 829 097	3 506 527	4 195 290	21.4%	23.8%	4 529 231	4 311 552	4 548 527	2.7%	27.0%
<b>Total</b>	<b>8 784 760</b>	<b>11 059 155</b>	<b>11 224 590</b>	<b>11 844 276</b>	<b>27.3%</b>	<b>73.5%</b>	<b>11 682 453</b>	<b>12 368 850</b>	<b>13 051 997</b>	<b>6.3%</b>	<b>75.2%</b>

## 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 (%)
	2014/15	2015/16	2016/17				2017/18	2018/19	2019/20		
R thousand					2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21	
Administrative fees	5 341	10 545	11 848	15 643	43.1%	0.7%	16 383	16 796	18 677	6.1%	1.0%
Advertising	38 383	33 825	55 133	32 770	-5.1%	2.6%	29 491	40 087	36 512	3.7%	2.1%
Minor assets	5 905	10 764	15 745	19 409	48.7%	0.8%	15 290	15 831	20 686	2.1%	1.1%
Audit costs: External	22 955	29 313	36 225	21 659	-1.9%	1.8%	33 745	35 295	32 986	15.1%	1.9%
Bursaries: Employees	3 382	3 710	4 119	6 073	21.5%	0.3%	4 604	4 863	7 975	9.5%	0.4%
Catering: Departmental activities	6 130	11 250	11 386	12 745	27.6%	0.7%	12 446	10 201	13 527	2.0%	0.8%
Communication	42 814	57 692	38 777	39 604	-2.6%	2.9%	43 207	47 301	53 470	10.5%	2.8%
Computer services	126 921	100 511	148 730	105 857	-5.9%	7.9%	131 365	126 737	136 749	8.9%	7.7%
Consultants: Business and advisory services	171 052	97 868	154 826	174 579	0.7%	9.7%	118 552	92 015	122 975	-11.0%	7.9%
Infrastructure and planning services	142 003	241 215	145 374	159 022	3.8%	11.2%	258 404	284 351	266 381	18.8%	15.0%
Laboratory services	3 729	4 438	6 558	8 992	34.1%	0.4%	12 229	13 175	12 434	11.4%	0.7%
Legal services	6 827	8 109	6 777	7 513	3.2%	0.5%	8 504	8 737	9 472	8.0%	0.5%
Science and technological services	–	1 777	910	455	–	0.1%	130	137	145	-31.7%	–
Contractors	112 230	160 910	259 960	70 331	-14.4%	9.8%	57 238	64 182	53 342	-8.8%	3.8%
Agency and support/outsourced services	45 340	40 033	7 191	43 848	-1.1%	2.2%	35 547	42 278	33 261	-8.8%	2.4%
Entertainment	177	673	426	424	33.8%	–	1 569	1 484	1 274	44.3%	0.1%
Fleet services (including government motor transport)	1 724	1 554	3 092	26 095	147.4%	0.5%	14 995	15 867	16 134	-14.8%	1.1%
Housing	–	44	–	–	–	–	–	–	–	–	–

Table 36.5 Vote goods and services expenditure trends and estimates

R thousand	Audited outcome			Adjusted appropriation 2017/18	Average growth rate (%) 2014/15 - 2017/18	Average Expenditure/Total (%) 2017/18 - 2020/21	Medium-term expenditure estimate			Average growth rate (%) 2017/18 - 2020/21	Average Expenditure/Total (%) 2017/18 - 2020/21
	2014/15	2015/16	2016/17				2018/19	2019/20	2020/21		
Inventory: Clothing material and accessories	2 987	4 329	5 733	4 835	17.4%	0.3%	4 479	5 079	5 331	3.3%	0.3%
Inventory: Farming supplies	72	79	137	126	20.5%	–	256	315	333	38.3%	–
Inventory: Food and food supplies	117	399	471	100	-5.1%	–	247	229	242	34.3%	–
Inventory: Fuel, oil and gas	1 868	2 515	6 271	3 951	28.4%	0.2%	5 297	7 188	7 583	24.3%	0.4%
Inventory: Learner and teacher support material	9	2 468	1 298	11	6.9%	0.1%	59	581	64	79.9%	–
Inventory: Materials and supplies	6 791	14 598	6 607	4 176	-15.0%	0.5%	6 369	8 371	8 470	26.6%	0.4%
Inventory: Medical supplies	119	183	269	658	76.8%	–	502	464	499	-8.8%	–
Inventory: Medicine	–	108	30	25	–	–	300	319	336	137.8%	–
Medsas inventory interface	–	–	35	–	–	–	316	333	352	–	–
Inventory: Other supplies	16 790	6 377	13 599	15 059	-3.6%	0.8%	7 388	6 733	6 696	-23.7%	0.6%
Consumable supplies	6 167	13 436	19 309	29 753	69.0%	1.1%	16 411	19 876	20 824	-11.2%	1.3%
Consumables: Stationery, printing and office supplies	14 705	24 208	30 057	32 702	30.5%	1.7%	28 420	35 879	35 248	2.5%	2.0%
Operating leases	231 764	275 322	304 928	372 303	17.1%	19.3%	388 310	407 925	432 317	5.1%	24.7%
Rental and hiring	2 331	4 615	2 828	4 739	26.7%	0.2%	2 882	2 940	4 387	-2.5%	0.2%
Property payments	48 250	121 681	90 238	99 574	27.3%	5.9%	108 364	108 701	116 892	5.5%	6.7%
Transport provided: Departmental activity	620	3 561	2 557	1 567	36.2%	0.1%	7 440	4 015	4 221	39.1%	0.3%
Travel and subsistence	207 033	176 382	235 374	199 268	-1.3%	13.3%	133 068	114 669	134 015	-12.4%	9.0%
Training and development	17 405	36 237	33 757	32 410	23.0%	2.0%	31 620	36 854	43 841	10.6%	2.2%
Operating payments	17 184	17 553	23 041	21 137	7.1%	1.3%	20 134	19 713	26 016	7.2%	1.3%
Venues and facilities	9 684	17 157	16 313	16 394	19.2%	1.0%	18 073	13 648	13 845	-5.5%	1.0%
<b>Total</b>	<b>1 318 809</b>	<b>1 535 439</b>	<b>1 699 929</b>	<b>1 583 806</b>	<b>6.3%</b>	<b>100.0%</b>	<b>1 573 634</b>	<b>1 613 169</b>	<b>1 697 512</b>	<b>2.3%</b>	<b>100.0%</b>

## Transfers and subsidies expenditure trends and estimates

Table 36.6 Vote transfers and subsidies trends and estimates

R thousand	Audited outcome			Adjusted appropriation 2017/18	Average growth rate (%) 2014/15 - 2017/18	Average Expenditure/Total (%) 2017/18 - 2020/21	Medium-term expenditure estimate			Average growth rate (%) 2017/18 - 2020/21	Average Expenditure/Total (%) 2017/18 - 2020/21
	2014/15	2015/16	2016/17				2018/19	2019/20	2020/21		
<b>Households</b>											
<b>Social benefits</b>											
<b>Current</b>	<b>10 996</b>	<b>8 869</b>	<b>11 168</b>	<b>20 728</b>	<b>23.5%</b>	<b>0.2%</b>	<b>4 368</b>	<b>4 540</b>	<b>4 798</b>	<b>-38.6%</b>	<b>0.1%</b>
Employee social benefits	10 996	8 869	11 083	20 728	23.5%	0.2%	4 368	4 540	4 798	-38.6%	0.1%
Other transfer	–	–	85	–	–	–	–	–	–	–	–
<b>Departmental agencies and accounts</b>											
<b>Departmental agencies (non-business entities)</b>											
<b>Current</b>	<b>168 627</b>	<b>174 116</b>	<b>181 408</b>	<b>176 173</b>	<b>1.5%</b>	<b>2.7%</b>	<b>185 862</b>	<b>196 270</b>	<b>207 065</b>	<b>5.5%</b>	<b>2.1%</b>
Energy and Water Services Sector	2 204	3 037	2 202	2 674	6.7%	–	2 828	2 986	3 150	5.6%	–
Education and Training Authority	2 178	4	–	–	-100.0%	–	–	–	–	–	–
Water information management	–	6 704	12 206	–	–	0.1%	–	–	–	–	–
Water trading entity	164 245	164 371	165 000	173 000	1.7%	2.6%	183 034	193 284	203 915	5.6%	2.1%
Water Research Commission	–	–	2 000	499	–	–	–	–	–	-100.0%	–
<b>Capital</b>	<b>2 570 909</b>	<b>1 570 722</b>	<b>1 544 461</b>	<b>1 709 881</b>	<b>-12.7%</b>	<b>28.9%</b>	<b>2 083 894</b>	<b>2 199 959</b>	<b>2 320 957</b>	<b>10.7%</b>	<b>23.2%</b>
Water Trading Entity	2 570 909	1 570 722	1 544 461	1 709 881	-12.7%	28.9%	2 083 894	2 199 959	2 320 957	10.7%	23.2%
<b>Households</b>											
<b>Other transfers to households</b>											
<b>Current</b>	<b>20 016</b>	<b>26 288</b>	<b>28 159</b>	<b>16 759</b>	<b>-5.7%</b>	<b>0.4%</b>	<b>15 630</b>	<b>18 832</b>	<b>19 868</b>	<b>5.8%</b>	<b>0.2%</b>
Employee social benefits	5 174	–	12 624	–	-100.0%	0.1%	–	–	–	–	–
Bursaries for non-employees	13 486	15 726	15 535	16 759	7.5%	0.2%	15 630	18 832	19 868	5.8%	0.2%
Resource poor farmers	1 356	10 562	–	–	-100.0%	–	–	–	–	–	–
<b>Non-profit institutions</b>											
<b>Current</b>	<b>1 803</b>	<b>681</b>	<b>3 337</b>	<b>1 160</b>	<b>-13.7%</b>	<b>–</b>	<b>1 026</b>	<b>872</b>	<b>919</b>	<b>-7.5%</b>	<b>–</b>
Women in water awards	700	100	700	–	-100.0%	–	–	–	–	–	–
South African youth water prize	25	22	24	25	–	–	26	27	28	3.8%	–
Various Institutions: 2020 vision for water education programme	430	556	1 813	1 135	38.2%	–	–	–	–	-100.0%	–
Water Institute of Southern Africa	648	–	800	–	-100.0%	–	1 000	845	891	–	–
Non-profit Institution	–	3	–	–	–	–	–	–	–	–	–

Table 36.6 Vote transfers and subsidies trends and estimates

R thousand	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2014/15	2015/16	2016/17				2017/18	2014/15 - 2017/18	2018/19		
<b>Foreign governments and international organisations</b>											
<b>Current</b>	<b>185 176</b>	<b>189 231</b>	<b>188 250</b>	<b>197 743</b>	<b>2.2%</b>	<b>3.0%</b>	<b>209 212</b>	<b>220 927</b>	<b>233 078</b>	<b>5.6%</b>	<b>2.4%</b>
Orange-Senqu River Basin Commission	608	546	611	638	1.6%	-	675	713	752	5.6%	-
African Ministers' Council on Water	-	97	102	106	-	-	112	118	124	5.4%	-
Limpopo Watercourse Commission	300	350	87	176	-16.3%	-	186	196	207	5.6%	-
Komati River Basin Water Authority	184 268	188 238	187 450	196 823	2.2%	3.0%	208 239	219 900	231 995	5.6%	2.4%
<b>Provinces and municipalities</b>											
<b>Municipal bank accounts</b>											
<b>Current</b>	<b>563</b>	<b>660</b>	<b>546</b>	<b>707</b>	<b>7.9%</b>	<b>-</b>	<b>523</b>	<b>552</b>	<b>573</b>	<b>-6.8%</b>	<b>-</b>
Vehicle licences	557	657	546	707	8.3%	-	523	552	573	-6.8%	-
Other transfers to households	6	3	-	-	-100.0%	-	-	-	-	-	-
<b>Capital</b>	<b>1 050 790</b>	<b>2 305 029</b>	<b>4 680 773</b>	<b>5 194 464</b>	<b>70.3%</b>	<b>51.8%</b>	<b>5 438 056</b>	<b>5 735 679</b>	<b>6 050 977</b>	<b>5.2%</b>	<b>62.5%</b>
Regional bulk infrastructure grant	-	-	1 849 791	1 865 000	-	14.5%	1 957 000	2 066 360	2 180 005	5.3%	22.5%
Water services infrastructure grant	1 050 790	2 305 029	2 830 982	3 329 464	46.9%	37.2%	3 481 056	3 669 319	3 870 972	5.2%	40.0%
<b>Higher education institutions</b>											
<b>Current</b>	<b>-</b>	<b>1 000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Stellenbosch University	-	500	-	-	-	-	-	-	-	-	-
University of Western Cape	-	500	-	-	-	-	-	-	-	-	-
<b>Public corporations and private enterprises</b>											
<b>Other transfers to public corporations</b>											
<b>Capital</b>	<b>579 919</b>	<b>801 748</b>	<b>844 773</b>	<b>1 098 503</b>	<b>23.7%</b>	<b>13.0%</b>	<b>694 715</b>	<b>782 891</b>	<b>825 829</b>	<b>-9.1%</b>	<b>9.5%</b>
Amatola Water Board: Regional bulk infrastructure	150 000	169 060	-	88 554	-16.1%	1.6%	92 386	185 000	-	-100.0%	1.0%
Magalies Water Board: Regional bulk infrastructure	70 000	150 000	142 769	58 385	-5.9%	1.6%	36 000	65 373	100 000	19.6%	0.7%
Umgeni Water Board: Regional bulk infrastructure	216 719	279 140	423 004	518 405	33.7%	5.6%	132 329	320 000	590 829	4.5%	4.4%
Sedibeng Water Board: Regional bulk infrastructure	143 200	203 548	279 000	433 159	44.6%	4.1%	434 000	212 518	135 000	-32.2%	3.4%
<b>Total</b>	<b>4 588 799</b>	<b>5 078 344</b>	<b>7 482 875</b>	<b>8 416 118</b>	<b>22.4%</b>	<b>100.0%</b>	<b>8 633 286</b>	<b>9 160 522</b>	<b>9 664 064</b>	<b>4.7%</b>	<b>100.0%</b>

## Personnel information

Table 36.7 Vote personnel numbers and cost by salary level and programme<sup>1</sup>

Programmes																				
1. Administration																				
2. Water Planning and Information Management																				
3. Water Infrastructure Development																				
4. Water Sector Regulation																				
	Number of posts estimated for 31 March 2018			Number and cost <sup>2</sup> 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 (%)			
				2016/17		Unit cost	2017/18		Unit cost	2018/19		Unit cost	2019/20		Unit cost			2020/21		Unit cost
<b>Water and Sanitation</b>	<b>3 707</b>	<b>281</b>		<b>3 517</b>	<b>1 439.9</b>	<b>0.4</b>	<b>3 529</b>	<b>1 571.9</b>	<b>0.4</b>	<b>3 604</b>	<b>1 720.2</b>	<b>0.5</b>	<b>3 597</b>	<b>1 851.3</b>	<b>0.5</b>	<b>3 597</b>	<b>1 990.2</b>	<b>0.6</b>	<b>0.6%</b>	<b>100.0%</b>
Salary level				Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost		
1 - 6	1 472	139		1 485	262.1	0.2	1 488	286.0	0.2	1 514	313.6	0.2	1 509	337.8	0.2	1 514	362.7	0.2	0.6%	42.1%
7 - 10	1 447	100		1 330	493.7	0.4	1 334	541.1	0.4	1 367	598.0	0.4	1 367	645.2	0.5	1 360	691.5	0.5	0.6%	37.9%
11 - 12	582	41		542	479.2	0.9	544	522.4	1.0	559	571.8	1.0	557	614.8	1.1	559	664.7	1.2	0.9%	15.5%
13 - 16	206	1		160	205.0	1.3	163	222.2	1.4	164	236.9	1.4	164	253.7	1.5	164	271.3	1.7	0.2%	4.6%
<b>Programme</b>	<b>3 707</b>	<b>281</b>		<b>3 517</b>	<b>1 439.9</b>	<b>0.4</b>	<b>3 529</b>	<b>1 571.9</b>	<b>0.4</b>	<b>3 604</b>	<b>1 720.2</b>	<b>0.5</b>	<b>3 597</b>	<b>1 851.3</b>	<b>0.5</b>	<b>3 597</b>	<b>1 990.2</b>	<b>0.6</b>	<b>0.6%</b>	<b>100.0%</b>
Programme 1	1 833	100		1 720	670.2	0.4	1 710	722.8	0.4	1 692	769.1	0.5	1 690	827.8	0.5	1 685	890.0	0.5	-0.5%	47.3%
Programme 2	964	48		909	390.3	0.4	881	412.4	0.5	913	457.9	0.5	913	492.8	0.5	920	529.7	0.6	1.5%	25.3%
Programme 3	476	12		465	213.5	0.5	436	214.5	0.5	472	253.1	0.5	470	272.4	0.6	468	292.8	0.6	2.4%	12.9%
Programme 4	434	121		423	165.9	0.4	502	222.1	0.4	527	240.1	0.5	524	258.4	0.5	524	277.8	0.5	1.4%	14.5%

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	Revised estimate	Average growth rate (%)	Average: Receipt item/ Total (%)	Medium-term receipts estimate			Average growth rate (%)	Average: Receipt item/ Total (%)
	2014/15	2015/16	2016/17					2017/18	2018/19	2019/20		
<b>Departmental receipts</b>	<b>15 333</b>	<b>11 008</b>	<b>20 964</b>	<b>7 386</b>	<b>7 386</b>	<b>-21.6%</b>	<b>100.0%</b>	<b>7 632</b>	<b>8 031</b>	<b>8 196</b>	<b>3.5%</b>	<b>100.0%</b>
<b>Sales of goods and services produced by department</b>	<b>2 356</b>	<b>2 546</b>	<b>3 164</b>	<b>2 009</b>	<b>2 009</b>	<b>-5.2%</b>	<b>18.4%</b>	<b>2 422</b>	<b>2 471</b>	<b>2 486</b>	<b>7.4%</b>	<b>30.0%</b>
Sales by market establishments	935	920	877	733	733	-7.8%	6.3%	733	747	750	0.8%	9.5%
of which:												
Market establishment: Rental dwelling	722	656	567	539	539	-9.3%	4.5%	540	550	550	0.7%	7.0%
Market establishment: Non-residential building	23	78	123	8	8	-29.7%	0.4%	6	7	10	7.7%	0.1%
Market establishment: Rental parking	190	186	187	186	186	-0.7%	1.4%	187	190	190	0.7%	2.4%
Administrative fees	67	102	65	61	61	-3.1%	0.5%	65	65	65	2.1%	0.8%
of which:												
Services rendered: Transport fees	52	50	50	50	50	-1.3%	0.4%	50	50	50	-	0.6%
Sales: Tender documents	11	36	-	-	-	-100.0%	0.1%	-	-	-	-	-
Sales: Maps	-	12	10	7	7	-	0.1%	11	11	10	12.6%	0.1%
Replacement of security cards	4	4	4	4	4	-	-	4	4	5	7.7%	0.1%
Sales: Water potable	-	-	1	-	-	-	-	-	-	-	-	-
Other sales	1 354	1 524	2 222	1 215	1 215	-3.5%	11.5%	1 624	1 659	1 671	11.2%	19.7%
of which:												
Rental capital assets	22	67	70	78	78	52.5%	0.4%	75	77	78	-	1.0%
Sales: Departmental publications and production	3	3	7	2	2	-12.6%	-	4	4	4	26.0%	-
Services rendered: Commission on insurance and garnishee	772	803	748	756	756	-0.7%	5.6%	760	762	764	0.4%	9.7%
Sales: Meals and refreshments	557	510	989	340	340	-15.2%	4.4%	510	502	505	14.1%	5.9%
Services rendered: Boarding service	-	141	408	39	39	-	1.1%	275	314	320	101.7%	3.0%
<b>Sales of scrap, waste, arms and other used current goods</b>	<b>4</b>	<b>30</b>	<b>-</b>	<b>12</b>	<b>12</b>	<b>44.2%</b>	<b>0.1%</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>-5.9%</b>	<b>0.1%</b>
of which:												
Sales: Scrap	4	28	-	12	12	44.2%	0.1%	10	10	10	-5.9%	0.1%
Sales: Waste paper	-	2	-	-	-	-	-	-	-	-	-	-
Transfers received	63	-	-	-	-	-100.0%	0.1%	-	-	-	-	-
Interest, dividends and rent on land	2 544	2 428	1 384	2 575	2 575	0.4%	16.3%	2 600	2 800	2 900	4.0%	34.8%
Interest	2 544	2 428	1 384	2 575	2 575	0.4%	16.3%	2 600	2 800	2 900	4.0%	34.8%
Sales of capital assets	-	31	-	96	96	-	0.2%	-	-	-	-100.0%	0.3%
Transactions in financial assets and liabilities	10 366	5 973	16 416	2 694	2 694	-36.2%	64.8%	2 600	2 750	2 800	1.3%	34.7%
<b>Total</b>	<b>15 333</b>	<b>11 008</b>	<b>20 964</b>	<b>7 386</b>	<b>7 386</b>	<b>-21.6%</b>	<b>100.0%</b>	<b>7 632</b>	<b>8 031</b>	<b>8 196</b>	<b>3.5%</b>	<b>100.0%</b>

## 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

- 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.
- Facilitate targeted and sustained African and global cooperation in support of the national water and sanitation agenda by evaluating the implementation of the approved Africa and global international relations plan annually.

### Subprogrammes

- *Ministry* provides administrative and logistical support to the minister, the 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	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2014/15	2015/16	2016/17				2017/18	2018/19	2019/20		
R million					2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21	
Ministry	43.3	45.9	52.3	42.1	-0.9%	3.1%	48.5	51.9	55.5	9.6%	2.8%
Departmental Management	135.4	91.6	105.5	88.3	-13.3%	7.0%	90.0	93.6	100.0	4.2%	5.2%
Internal Audit	21.1	29.8	36.3	40.3	24.1%	2.1%	39.3	40.4	43.7	2.7%	2.3%
Corporate Services	598.7	626.8	718.6	741.4	7.4%	44.8%	745.2	789.7	843.9	4.4%	44.0%
Financial Management	208.5	196.3	232.0	219.9	1.8%	14.3%	253.4	271.9	286.2	9.2%	14.5%
Office Accommodation	253.7	374.1	346.9	411.2	17.5%	23.1%	439.2	461.9	487.3	5.8%	25.4%
Programme Management Unit	42.2	46.5	28.1	61.3	13.2%	3.0%	48.0	48.0	51.3	-5.8%	2.9%
International Water Support	32.7	37.2	38.2	45.1	11.3%	2.6%	51.0	50.5	53.9	6.1%	2.8%
<b>Total</b>	<b>1 335.6</b>	<b>1 448.1</b>	<b>1 557.9</b>	<b>1 649.9</b>	<b>7.3%</b>	<b>100.0%</b>	<b>1 714.6</b>	<b>1 808.0</b>	<b>1 921.9</b>	<b>5.2%</b>	<b>100.0%</b>
Change to 2017 Budget estimate				21.4			(38.9)	(38.7)	53.9		
<b>Economic classification</b>											
<b>Current payments</b>	<b>1 280.7</b>	<b>1 367.1</b>	<b>1 483.9</b>	<b>1 561.5</b>	<b>6.8%</b>	<b>95.0%</b>	<b>1 630.4</b>	<b>1 724.7</b>	<b>1 830.4</b>	<b>5.4%</b>	<b>95.1%</b>
Compensation of employees	616.1	617.7	670.2	722.8	5.5%	43.8%	769.1	827.8	890.0	7.2%	45.2%
Goods and services <sup>1</sup>	663.6	742.9	813.7	838.6	8.1%	51.1%	861.3	896.9	940.5	3.9%	49.9%
of which:											
Audit costs: External	22.1	29.3	36.2	21.7	-0.7%	1.8%	33.7	35.3	33.0	15.1%	1.7%
Computer services	79.6	38.2	58.4	62.2	-7.9%	4.0%	93.8	97.2	102.3	18.1%	5.0%
Contractors	33.9	41.0	51.8	29.8	-4.3%	2.6%	35.1	34.2	32.8	3.4%	1.9%
Operating leases	230.7	272.3	302.1	369.8	17.0%	19.6%	385.7	404.8	428.4	5.0%	22.4%
Property payments	46.0	119.6	78.6	83.1	21.8%	5.5%	89.7	92.1	99.4	6.1%	5.1%
Travel and subsistence	88.6	72.6	72.3	79.6	-3.5%	5.2%	53.4	45.9	51.0	-13.8%	3.2%
Interest and rent on land	1.0	6.5	-	-	-100.0%	0.1%	-	-	-	-	-
<b>Transfers and subsidies<sup>1</sup></b>	<b>21.3</b>	<b>21.8</b>	<b>21.9</b>	<b>22.0</b>	<b>1.2%</b>	<b>1.5%</b>	<b>20.9</b>	<b>24.4</b>	<b>25.7</b>	<b>5.3%</b>	<b>1.3%</b>
Provinces and municipalities	0.0	0.0	0.0	0.0	31.5%	-	0.1	0.1	0.1	50.4%	-
Departmental agencies and accounts	4.4	3.0	2.2	2.7	-15.2%	0.2%	2.8	3.0	3.2	5.6%	0.2%
Higher education institutions	-	1.0	-	-	-	-	-	-	-	-	-
Foreign governments and international organisations	0.9	1.0	0.8	0.9	0.4%	0.1%	1.0	1.0	1.1	5.6%	0.1%
Non-profit institutions	0.7	0.1	0.7	-	-100.0%	-	-	-	-	-	-
Households	15.3	16.7	18.2	18.4	6.4%	1.1%	17.1	20.3	21.4	5.1%	1.1%
<b>Payments for capital assets</b>	<b>33.6</b>	<b>59.2</b>	<b>52.1</b>	<b>66.4</b>	<b>25.5%</b>	<b>3.5%</b>	<b>63.3</b>	<b>58.9</b>	<b>65.8</b>	<b>-0.3%</b>	<b>3.6%</b>
Machinery and equipment	23.7	30.1	29.1	40.4	19.4%	2.1%	36.8	34.0	36.6	-3.2%	2.1%
Software and other intangible assets	9.8	29.0	23.0	26.0	38.2%	1.5%	26.5	24.9	29.2	3.9%	1.5%
<b>Payments for financial assets</b>	<b>0.1</b>	<b>-</b>	<b>0.0</b>	<b>-</b>	<b>-100.0%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total</b>	<b>1 335.6</b>	<b>1 448.1</b>	<b>1 557.9</b>	<b>1 649.9</b>	<b>7.3%</b>	<b>100.0%</b>	<b>1 714.6</b>	<b>1 808.0</b>	<b>1 921.9</b>	<b>5.2%</b>	<b>100.0%</b>
<b>Proportion of total programme expenditure to vote expenditure</b>	<b>11.5%</b>	<b>9.3%</b>	<b>10.0%</b>	<b>10.6%</b>	<b>-</b>	<b>-</b>	<b>11.0%</b>	<b>11.0%</b>	<b>11.0%</b>	<b>-</b>	<b>-</b>

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

Details of selected transfers and subsidies	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2014/15	2015/16	2016/17				2017/18	2014/15 - 2017/18	2018/19		
R million											
<b>Departmental agencies and accounts</b>											
<b>Departmental agencies (non-business entities)</b>											
<b>Current</b>	<b>4.4</b>	<b>3.0</b>	<b>2.2</b>	<b>2.7</b>	<b>-15.0%</b>	<b>0.2%</b>	<b>2.8</b>	<b>3.0</b>	<b>3.2</b>	<b>5.6%</b>	<b>0.2%</b>
Energy and Water Services Sector	2.2	3.0	2.2	2.7	6.7%	0.2%	2.8	3.0	3.2	5.6%	0.2%
Education and Training Authority											
Communication	2.2	0.0	–	–	-100.0%	–	–	–	–	–	–
<b>Households</b>											
<b>Other transfers to households</b>											
<b>Current</b>	<b>13.5</b>	<b>15.7</b>	<b>15.5</b>	<b>16.8</b>	<b>7.5%</b>	<b>1.0%</b>	<b>15.6</b>	<b>18.8</b>	<b>19.9</b>	<b>5.8%</b>	<b>1.0%</b>
Bursaries for non-employees	13.5	15.7	15.5	16.8	7.5%	1.0%	15.6	18.8	19.9	5.8%	1.0%

1. Estimates of National Expenditure data tables are available and can be downloaded from [www.treasury.gov.za](http://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 the country'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 9 river systems by March 2021.
- Enhance the efficiency of water use and the management of water quality by assessing 8 large water systems for water losses annually.
- Ensure a coordinated approach to water and sanitation infrastructure planning, monitoring and evaluation by developing and implementing the water and sanitation master plan by March 2019.
- Protect water resources and improve water quality by developing and implementing the integrated water quality management strategy by March 2019.

### 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 developing guidelines and protocols for pollution control and rehabilitation.
- *Water Information Management* ensures the development and maintenance of systems and programmes for the acquisition and management of data and information, and builds the knowledge base on all aspects of water for informed decisions on water management.
- *Water Services and Local Water Management* entails the formulation and development of strategies, guidelines and plans for water services and management at local level.
- *Sanitation Planning and Management* provides a national strategy for the planning of sanitation services and supports municipalities to plan for the provision of sustainable sanitation services.

- *Policy and Strategy* develops, monitors and reviews the implementation of the 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 2017/18	Average growth rate (%) 2014/15 - 2017/18	Average: Expenditure/Total (%) 2017/18	Medium-term expenditure estimate			Average growth rate (%) 2017/18 - 2020/21	Average: Expenditure/Total (%) 2017/18 - 2020/21
	2014/15	2015/16	2016/17				2018/19	2019/20	2020/21		
R million											
Water Planning, Information Management and Support	5.6	3.9	5.0	6.2	3.6%	0.7%	6.5	7.3	7.9	8.0%	0.8%
Integrated Planning	217.7	159.0	93.0	103.9	-21.8%	18.3%	95.7	128.6	122.4	5.6%	12.3%
Water Ecosystems	48.0	50.2	50.4	54.4	4.3%	6.5%	58.1	66.6	67.0	7.2%	6.7%
Water Information Management	527.1	456.0	517.7	496.9	-1.9%	63.8%	491.0	531.1	584.6	5.6%	57.5%
Water Services and Local Water Management	–	–	112.6	108.1	–	7.0%	173.5	188.6	202.6	23.3%	18.4%
Sanitation Planning and Management	1.8	–	11.6	12.1	87.7%	0.8%	15.9	19.0	20.2	18.5%	1.8%
Policy and Strategy	12.3	31.9	25.1	20.7	19.0%	2.9%	21.5	23.7	25.3	6.8%	2.5%
<b>Total</b>	<b>812.5</b>	<b>701.0</b>	<b>815.4</b>	<b>802.4</b>	<b>-0.4%</b>	<b>100.0%</b>	<b>862.1</b>	<b>964.8</b>	<b>1 029.8</b>	<b>8.7%</b>	<b>100.0%</b>
Change to 2017 Budget estimate				(14.0)			44.9	39.4	18.2		
<b>Economic classification</b>											
<b>Current payments</b>	<b>754.9</b>	<b>632.4</b>	<b>758.1</b>	<b>721.7</b>	<b>-1.5%</b>	<b>91.6%</b>	<b>785.3</b>	<b>881.4</b>	<b>941.9</b>	<b>9.3%</b>	<b>91.0%</b>
Compensation of employees	373.8	350.7	390.3	412.4	3.3%	48.8%	457.9	492.8	529.7	8.7%	51.7%
Goods and services <sup>1</sup>	381.1	281.6	367.7	309.3	-6.7%	42.8%	327.4	388.6	412.2	10.0%	39.3%
<i>of which:</i>											
Communication	8.7	8.0	6.6	7.9	-3.4%	1.0%	7.3	10.4	11.0	11.8%	1.0%
Computer services	46.3	48.9	78.4	41.6	-3.5%	6.9%	20.4	20.3	29.4	-10.9%	3.1%
Consultants: Business and advisory services	31.9	17.6	20.4	32.1	0.1%	3.3%	18.7	22.6	32.1	0.1%	2.9%
Infrastructure and planning services	124.2	84.9	100.1	108.6	-4.4%	13.3%	178.3	221.4	214.8	25.5%	19.8%
Contractors	29.1	19.1	13.8	8.3	-34.2%	2.2%	7.4	8.4	7.3	-4.1%	0.9%
Travel and subsistence	70.7	43.4	72.1	36.0	-20.2%	7.1%	28.2	27.7	32.6	-3.2%	3.4%
<b>Transfers and subsidies<sup>1</sup></b>	<b>11.5</b>	<b>8.7</b>	<b>13.9</b>	<b>2.7</b>	<b>-38.4%</b>	<b>1.2%</b>	<b>1.3</b>	<b>1.4</b>	<b>1.5</b>	<b>-18.1%</b>	<b>0.2%</b>
Provinces and municipalities	0.6	0.7	0.5	0.7	7.3%	0.1%	0.4	0.5	0.5	-10.6%	0.1%
Departmental agencies and accounts	–	6.7	12.2	–	–	0.6%	–	–	–	–	–
Households	11.0	1.3	1.2	2.0	-43.4%	0.5%	0.8	0.9	1.0	-21.5%	0.1%
<b>Payments for capital assets</b>	<b>46.1</b>	<b>55.0</b>	<b>43.4</b>	<b>78.1</b>	<b>19.2%</b>	<b>7.1%</b>	<b>75.5</b>	<b>82.0</b>	<b>86.5</b>	<b>3.5%</b>	<b>8.8%</b>
Buildings and other fixed structures	28.5	26.0	26.0	31.7	3.7%	3.6%	31.0	35.5	37.4	5.6%	3.7%
Machinery and equipment	17.2	29.0	16.4	45.4	38.2%	3.4%	43.6	45.4	47.9	1.9%	5.0%
Software and other intangible assets	0.4	0.0	0.9	1.0	29.2%	0.1%	1.0	1.1	1.1	5.4%	0.1%
<b>Payments for financial assets</b>	<b>–</b>	<b>4.8</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>0.2%</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>
<b>Total</b>	<b>812.5</b>	<b>701.0</b>	<b>815.4</b>	<b>802.4</b>	<b>-0.4%</b>	<b>100.0%</b>	<b>862.1</b>	<b>964.8</b>	<b>1 029.8</b>	<b>8.7%</b>	<b>100.0%</b>
<b>Proportion of total programme expenditure to vote expenditure</b>	<b>7.0%</b>	<b>4.5%</b>	<b>5.2%</b>	<b>5.1%</b>	<b>–</b>	<b>–</b>	<b>5.5%</b>	<b>5.9%</b>	<b>5.9%</b>	<b>–</b>	<b>–</b>
<b>Details of selected transfers and subsidies</b>											
<b>Departmental agencies and accounts</b>											
<b>Departmental agencies (non-business entities)</b>											
Current	–	6.7	12.2	–	–	0.6%	–	–	–	–	–
Water Information Management	–	6.7	12.2	–	–	0.6%	–	–	–	–	–

1. Estimates of National Expenditure data tables are available and can be downloaded from [www.treasury.gov.za](http://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 activities for water resources management 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 replacing of ageing infrastructure servicing extensive areas across municipal boundaries.
- *Water Services Infrastructure Grant* provides for the construction of new infrastructure and the rehabilitation of existing water and sanitation infrastructure through the grant transfer of water services schemes to water service institutions. The allocation prioritises the 27 poorest district municipalities.
- *Accelerated Community Infrastructure Programme* provides for rapid emergency interventions related to the refurbishment of infrastructure for wastewater treatment, water conservation and water demand management, and municipal water supply; and supports farmers without proper access to 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 2017/18	Average growth rate (%) 2014/15 - 2017/18	Average Expenditure/Total (%) 2017/18	Medium-term expenditure estimate			Average growth rate (%) 2017/18 - 2020/21	Average Expenditure/Total (%) 2020/21
	2014/15	2015/16	2016/17				2018/19	2019/20	2020/21		
R million											
Strategic Infrastructure Development and Management	2 755.2	1 759.0	1 731.9	1 906.7	-11.5%	16.9%	2 292.1	2 419.9	2 553.0	10.2%	17.5%
Operation of Water Resources	164.2	164.4	165.0	173.0	1.7%	1.4%	183.0	193.3	203.9	5.6%	1.4%
Regional Bulk Infrastructure Grant	3 941.2	5 408.0	6 258.2	6 018.8	15.2%	44.9%	5 617.4	5 975.4	6 303.2	1.6%	45.6%
Water Services Infrastructure Grant	2 085.3	5 401.6	4 117.7	4 418.3	28.4%	33.3%	4 273.3	4 504.2	4 748.7	2.4%	34.2%
Accelerated Community Infrastructure Programme	365.0	414.1	681.1	243.5	-12.6%	3.5%	130.3	139.8	149.8	-15.0%	1.3%
<b>Total</b>	<b>9 310.9</b>	<b>13 147.0</b>	<b>12 953.9</b>	<b>12 760.4</b>	<b>11.1%</b>	<b>100.0%</b>	<b>12 496.2</b>	<b>13 232.5</b>	<b>13 958.5</b>	<b>3.0%</b>	<b>100.0%</b>
Change to 2017 Budget estimate				508.6			(975.4)	(1 027.9)	(1 153.5)		
<b>Economic classification</b>											
<b>Current payments</b>	<b>404.4</b>	<b>647.2</b>	<b>602.8</b>	<b>503.9</b>	<b>7.6%</b>	<b>4.5%</b>	<b>392.4</b>	<b>412.8</b>	<b>434.3</b>	<b>-4.8%</b>	<b>3.3%</b>
Compensation of employees	188.2	216.2	213.5	214.5	4.4%	1.7%	253.1	272.4	292.8	10.9%	2.0%
Goods and services <sup>1</sup>	216.2	431.0	389.2	277.9	8.7%	2.7%	139.3	140.4	141.6	-20.1%	1.3%
of which:											
Consultants: Business and advisory services	95.1	49.6	62.3	54.8	-16.8%	0.5%	21.8	16.4	19.6	-29.0%	0.2%
Infrastructure and planning services	9.0	154.2	43.3	47.9	74.9%	0.5%	13.2	11.6	9.8	-41.2%	0.2%
Contractors	49.0	99.4	188.7	30.5	-14.6%	0.8%	13.0	20.0	11.5	-27.8%	0.1%
Consumables: Stationery, printing and office supplies	2.3	5.8	4.2	6.1	37.3%	-	6.6	7.1	7.9	9.1%	0.1%
Property payments	0.1	0.0	6.4	12.8	426.2%	-	12.8	13.5	14.3	3.6%	0.1%
Travel and subsistence	33.1	40.6	47.1	43.5	9.5%	0.3%	19.6	19.1	23.2	-18.8%	0.2%
Interest and rent on land	-	-	0.1	11.6	-	-	-	-	-	-100.0%	-
<b>Transfers and subsidies<sup>1</sup></b>	<b>4 555.2</b>	<b>5 046.9</b>	<b>7 441.9</b>	<b>8 390.3</b>	<b>22.6%</b>	<b>52.8%</b>	<b>8 609.4</b>	<b>9 133.3</b>	<b>9 635.3</b>	<b>4.7%</b>	<b>68.2%</b>
Provinces and municipalities	1 050.8	2 305.0	4 680.8	5 194.5	70.3%	27.5%	5 438.1	5 735.7	6 051.0	5.2%	42.7%
Departmental agencies and accounts	2 735.2	1 735.1	1 709.5	1 882.9	-11.7%	16.7%	2 266.9	2 393.2	2 524.9	10.3%	17.3%
Foreign governments and international organisations	184.3	188.2	187.5	196.8	2.2%	1.6%	208.2	219.9	232.0	5.6%	1.6%
Public corporations and private enterprises	579.9	801.7	844.8	1 098.5	23.7%	6.9%	694.7	782.9	825.8	-9.1%	6.5%
Non-profit institutions	0.4	0.6	1.8	1.1	38.2%	-	-	-	-	-100.0%	-
Households	4.7	16.2	17.6	16.4	52.0%	0.1%	1.5	1.6	1.7	-53.5%	-

**Table 36.11 Water Infrastructure Development 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 (%)
	2014/15	2015/16	2016/17				2017/18	2018/19	2019/20		
R million	2014/15	2015/16	2016/17	2017/18	2014/15 - 2017/18	2018/19	2019/20	2020/21	2017/18 - 2020/21	2017/18 - 2020/21	
<b>Households</b>											
<b>Payments for capital assets</b>	<b>4 351.2</b>	<b>7 453.0</b>	<b>4 909.3</b>	<b>3 866.2</b>	<b>-3.9%</b>	<b>42.7%</b>	<b>3 494.4</b>	<b>3 686.4</b>	<b>3 888.8</b>	<b>0.2%</b>	<b>28.5%</b>
Buildings and other fixed structures	4 339.8	7 430.0	4 900.6	3 852.4	-3.9%	42.6%	3 489.1	3 679.5	3 881.9	0.3%	28.4%
Machinery and equipment	11.4	23.0	8.7	13.8	6.5%	0.1%	5.3	6.9	6.9	-20.6%	0.1%
Payments for financial assets	0.1	-	-	-	-100.0%	-	-	-	-	-	-
<b>Total</b>	<b>9 310.9</b>	<b>13 147.0</b>	<b>12 953.9</b>	<b>12 760.4</b>	<b>11.1%</b>	<b>100.0%</b>	<b>12 496.2</b>	<b>13 232.5</b>	<b>13 958.5</b>	<b>3.0%</b>	<b>100.0%</b>
<b>Proportion of total programme expenditure to vote expenditure</b>	<b>80.2%</b>	<b>84.5%</b>	<b>82.8%</b>	<b>81.8%</b>	<b>-</b>	<b>-</b>	<b>80.3%</b>	<b>80.4%</b>	<b>80.2%</b>	<b>-</b>	<b>-</b>
<b>Details of selected transfers and subsidies</b>											
<b>Households</b>											
<b>Other transfers to households</b>											
<b>Current</b>	<b>1.4</b>	<b>10.6</b>	<b>12.6</b>	<b>-</b>	<b>-100.0%</b>	<b>0.1%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Employee social benefits	-	-	12.6	-	-	-	-	-	-	-	-
Resource poor farmers	1.4	10.6	-	-	-100.0%	-	-	-	-	-	-
<b>Departmental agencies and accounts</b>											
<b>Departmental agencies (non-business entities)</b>											
<b>Current</b>	<b>164.2</b>	<b>164.4</b>	<b>165.0</b>	<b>173.0</b>	<b>1.7%</b>	<b>1.4%</b>	<b>183.0</b>	<b>193.3</b>	<b>203.9</b>	<b>5.6%</b>	<b>1.4%</b>
Water Trading Entity	164.2	164.4	165.0	173.0	1.7%	1.4%	183.0	193.3	203.9	5.6%	1.4%
<b>Capital</b>	<b>2 570.9</b>	<b>1 570.7</b>	<b>1 544.5</b>	<b>1 709.9</b>	<b>-12.7%</b>	<b>15.4%</b>	<b>2 083.9</b>	<b>2 200.0</b>	<b>2 321.0</b>	<b>10.7%</b>	<b>15.9%</b>
Water Trading Entity	2 570.9	1 570.7	1 544.5	1 709.9	-12.7%	15.4%	2 083.9	2 200.0	2 321.0	10.7%	15.9%
<b>Foreign governments and international organisations</b>											
<b>Current</b>	<b>184.3</b>	<b>188.2</b>	<b>187.5</b>	<b>196.8</b>	<b>2.2%</b>	<b>1.6%</b>	<b>208.2</b>	<b>219.9</b>	<b>232.0</b>	<b>5.6%</b>	<b>1.6%</b>
Komati River Basin Water Authority	184.3	188.2	187.5	196.8	2.2%	1.6%	208.2	219.9	232.0	5.6%	1.6%
<b>Public corporations and private enterprises</b>											
<b>Public corporations</b>											
<b>Other transfers to public corporations</b>											
<b>Capital</b>	<b>579.9</b>	<b>801.7</b>	<b>844.8</b>	<b>1 098.5</b>	<b>23.7%</b>	<b>6.9%</b>	<b>694.7</b>	<b>782.9</b>	<b>825.8</b>	<b>-9.1%</b>	<b>6.5%</b>
Amatola Water Board: Regional bulk infrastructure	150.0	169.1	-	88.6	-16.1%	0.8%	92.4	185.0	-	-100.0%	0.7%
Magalies Water Board: Regional bulk infrastructure	70.0	150.0	142.8	58.4	-5.9%	0.9%	36.0	65.4	100.0	19.6%	0.5%
Umgeni Water Board: Regional bulk infrastructure	216.7	279.1	423.0	518.4	33.7%	3.0%	132.3	320.0	590.8	4.5%	3.0%
Sedibeng Water Board: Regional bulk infrastructure	143.2	203.5	279.0	433.2	44.6%	2.2%	434.0	212.5	135.0	-32.2%	2.3%
<b>Provinces and municipalities</b>											
<b>Municipalities</b>											
<b>Municipal bank accounts</b>											
<b>Capital</b>	<b>1 050.8</b>	<b>2 305.0</b>	<b>4 680.8</b>	<b>5 194.5</b>	<b>70.3%</b>	<b>27.5%</b>	<b>5 438.1</b>	<b>5 735.7</b>	<b>6 051.0</b>	<b>5.2%</b>	<b>42.7%</b>
Regional bulk infrastructure grant	-	-	1 849.8	1 865.0	-	7.7%	1 957.0	2 066.4	2 180.0	5.3%	15.4%
Water services infrastructure grant	1 050.8	2 305.0	2 831.0	3 329.5	46.9%	19.8%	3 481.1	3 669.3	3 871.0	5.2%	27.4%

1. Estimates of National Expenditure data tables are available and can be downloaded from [www.treasury.gov.za](http://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 revising the water pricing strategy in 2018/19 and drafting legislation for the establishment of the independent water economic regulator by March 2020.
- Strengthen the governance and oversight of water resource management functions by establishing an operationally and financially viable catchment agency by March 2019.
- 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 from the date of receipt by March 2019.

- 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 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 to value chain standards, licence conditions and regulations for the water sector, and enforces compliance with licence conditions. This includes the management of mine water in South Africa, with specific emphasis on acid mine management.
- *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 (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2014/15	2015/16	2016/17				2017/18	2018/19	2019/20		
R million					2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21	
Water Sector Regulation Management and Support	3.4	34.1	37.3	39.4	125.7%	10.2%	38.0	38.1	40.7	1.1%	8.4%
Economic and Social Regulation	4.5	12.3	28.4	22.9	72.3%	6.1%	39.8	28.5	30.8	10.5%	6.6%
Water Use Authorisation and Administration	62.6	44.4	58.5	65.5	1.5%	20.6%	83.4	77.6	86.2	9.6%	16.9%
Water Supply Services and Sanitation Regulation	16.0	15.7	20.3	25.0	15.9%	6.9%	33.7	30.4	35.7	12.6%	6.7%
Compliance Monitoring and Enforcement	35.8	83.5	86.9	123.0	50.9%	29.3%	126.4	135.3	152.1	7.3%	29.0%
Institutional Oversight	35.3	70.9	76.9	119.0	50.0%	26.9%	177.4	151.3	153.3	8.8%	32.4%
<b>Total</b>	<b>157.6</b>	<b>260.9</b>	<b>308.2</b>	<b>394.8</b>	<b>35.8%</b>	<b>100.0%</b>	<b>498.6</b>	<b>461.4</b>	<b>498.8</b>	<b>8.1%</b>	<b>100.0%</b>
Change to 2017 Budget estimate				(16.0)			(19.9)	(21.1)	(24.8)		
<b>Economic classification</b>											
<b>Current payments</b>	<b>155.6</b>	<b>255.7</b>	<b>295.2</b>	<b>380.2</b>	<b>34.7%</b>	<b>96.9%</b>	<b>485.8</b>	<b>445.7</b>	<b>481.0</b>	<b>8.2%</b>	<b>96.7%</b>
Compensation of employees	97.6	175.8	165.9	222.1	31.5%	59.0%	240.1	258.4	277.8	7.7%	53.9%
Goods and services <sup>1</sup>	57.9	79.9	129.3	158.0	39.7%	37.9%	245.7	187.2	203.3	8.8%	42.8%
<i>of which:</i>											
Computer services	0.9	0.5	0.2	1.4	18.4%	0.3%	11.4	8.6	8.8	83.0%	1.6%
Consultants: Business and advisory services	23.1	20.1	37.3	59.3	36.9%	12.5%	73.1	46.2	61.5	1.2%	13.0%
Infrastructure and planning services	8.0	1.4	0.1	2.5	-32.4%	1.1%	66.9	51.3	41.8	156.2%	8.8%
Laboratory services	0.0	0.6	1.6	3.3	936.2%	0.5%	5.9	6.0	6.3	23.8%	1.2%
Agency and support/outsourced services	0.2	2.1	8.0	5.6	203.1%	1.4%	8.5	5.6	6.0	2.1%	1.4%
Travel and subsistence	14.6	19.8	43.9	40.3	40.1%	10.6%	31.9	22.0	27.1	-12.3%	6.5%

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

Economic classification	Audited outcome			Adjusted appropriation 2017/18	Average growth rate (%) 2014/15 - 2017/18	Average: Expenditure/ Total (%) 2017/18	Medium-term expenditure estimate			Average growth rate (%) 2017/18 - 2020/21	Average: Expenditure/ Total (%) 2017/18 - 2020/21
	2014/15	2015/16	2016/17				2018/19	2019/20	2020/21		
R million											
<b>Transfers and subsidies<sup>1</sup></b>	<b>0.8</b>	<b>1.0</b>	<b>5.2</b>	<b>1.2</b>	<b>15.3%</b>	<b>0.7%</b>	<b>1.6</b>	<b>1.5</b>	<b>1.6</b>	<b>10.3%</b>	<b>0.3%</b>
Departmental agencies and accounts	–	–	2.0	0.5	–	0.2%	–	–	–	-100.0%	–
Non-profit institutions	0.6	0.0	0.8	–	-100.0%	0.1%	1.0	0.8	0.9	–	0.1%
Households	0.1	0.9	2.4	0.7	81.6%	0.4%	0.6	0.6	0.7	0.2%	0.1%
<b>Payments for capital assets</b>	<b>1.3</b>	<b>4.3</b>	<b>7.8</b>	<b>13.4</b>	<b>118.2%</b>	<b>2.4%</b>	<b>11.2</b>	<b>14.2</b>	<b>16.2</b>	<b>6.4%</b>	<b>3.0%</b>
Buildings and other fixed structures	0.1	–	–	–	-100.0%	–	–	–	–	–	–
Machinery and equipment	1.2	4.3	7.8	13.4	123.6%	2.4%	11.2	14.2	16.2	6.4%	3.0%
<b>Total</b>	<b>157.6</b>	<b>260.9</b>	<b>308.2</b>	<b>394.8</b>	<b>35.8%</b>	<b>100.0%</b>	<b>498.6</b>	<b>461.4</b>	<b>498.8</b>	<b>8.1%</b>	<b>100.0%</b>
<b>Proportion of total programme expenditure to vote expenditure</b>	<b>1.4%</b>	<b>1.7%</b>	<b>2.0%</b>	<b>2.5%</b>	<b>–</b>	<b>–</b>	<b>3.2%</b>	<b>2.8%</b>	<b>2.9%</b>	<b>–</b>	<b>–</b>
<b>Details of selected transfers and subsidies</b>											
<b>Departmental agencies and accounts</b>											
<b>Departmental agencies (non-business entities)</b>											
<b>Current</b>	–	–	<b>2.0</b>	<b>0.5</b>	–	<b>0.2%</b>	–	–	–	<b>-100.0%</b>	–
Water Research Commission	–	–	2.0	0.5	–	0.2%	–	–	–	-100.0%	–

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

## Entities<sup>1</sup>

### 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 nine 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. In 2014/15, three water boards (Botshelo, Pelladrift and Bushbuckridge) were disestablished as part of an institutional realignment and reform process. Botshelo and Pelladrift were incorporated into Sedibeng Water, and Bushbuckridge into Rand Water.

Most of the older and more established water boards are located in areas where there are significant urban development nodes (such as Rand Water, Umgeni Water and Magalies Water), while 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 volume of bulk treated water sales**

Indicator	Programme/Objective/Activity	MTSF outcome	Past			Current	Projections		
			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Volume of bulk water sales by Amatola water board per year <sup>1</sup>	Water board activities	Outcome 6. An efficient, competitive and responsive economic infrastructure network	33 189	33 630	33 208	33 674	41 347	44 174	48 174
Volume of bulk water sales by Bloem water board per year <sup>1</sup>	Water board activities		91 737	79 993	74 922	91 409	92 323	93 246	94 179
Volume of bulk water sales by Lepelle water board per year <sup>1</sup>	Water board activities		97 637	97 809	89 388	93 920	115 731	116 023	116 023
Volume of bulk water sales by Magalies water board per year <sup>1</sup>	Water board activities		82 038	81 959	83 221	88 728	90 678	92 944	95 268
Volume of bulk water sales by Mhlatuze water board per year	Water board activities		40 208	55 305	42 067	56 210	56 210	56 210	56 210

<sup>1</sup> This section has been compiled with the latest available information from the entities concerned.

**Table 36.13 Consolidated water boards volume of bulk treated water sales**

Indicator	Programme/Objective/Activity	MTSF outcome	Past			Current	Projections		
			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Volume of bulk water sales by Overberg water board per year <sup>1</sup>	Water board activities	Outcome 6. An efficient, competitive and responsive economic infrastructure network	4 270	4 253	4 126	4 226	4 331	4 440	4 551
Volume of bulk water sales by Rand water board per year <sup>1</sup>	Water board activities		1 608 229	1 709 519	1 611 234	1 603 823	1 630 778	1 658 205	1 686 112
Volume of bulk water sales by Sedibeng water board per year <sup>1</sup>	Water board activities		96 524	117 562	115 433	116 011	122 551	129 904	137 699
Volume of bulk water sales by Umgeni water board per year <sup>1</sup>	Water board activities		446 548	435 726	409 887	449 828	459 372	469 597	476 641

1. Measured in thousand kilolitres.

### Expenditure analysis

The focus of the water boards over the medium term will still be on the extraction and purification of raw water into potable bulk water, and wastewater treatment services. The activities of the water boards play a key role in the water value chain to support outcome 6 (an efficient, competitive and responsive economic infrastructure network) and outcome 9 (responsive, accountable, effective and efficient local government system) of government's 2014-2019 medium-term strategic framework.

Rand Water and Umgeni Water are the largest water boards, supplying 80 per cent of the boards' total volume of water. They respectively account for 64.1 per cent and 19.9 per cent of the boards' total capital expenditure (R21.6 billion), and 70.1 per cent and 11.1 per cent of expenditure on goods and services. Expenditure on core water board activities is expected to increase from R13.3 billion in 2017/18 to R17.9 billion in 2020/21, at an average annual rate of 10.4 per cent, mainly due to costs for energy for pumping water, chemicals for purifying water, labour, and the purchase of raw water.

Water boards are set to derive 96.3 per cent of their revenue from the sale of bulk water to mines, industries and municipalities. This revenue is expected to increase from R20.7 billion in 2017/18 to R27.8 billion in 2020/21, at an average annual rate of 10.3 per cent. Receivables and prepayments is also expected to increase at an average annual rate of 3.7 per cent, from R5.1 billion in 2017/18 to R5.7 billion in 2020/21, due to historical debt repayment agreements with water users. Other non-tax revenue and interest, dividends, and rent on land comprise the remainder of the boards' 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	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
	2014/15	2015/16	2016/17	2017/18	2014/15 - 2017/18	2018/19	2019/20	2020/21	2017/18 - 2020/21	2017/18 - 2020/21	
Administration	3 230.4	3 279.0	3 830.4	4 109.3	8.4%	23.3%	4 331.0	4 596.5	4 857.4	5.7%	22.5%
Water board activities	10 743.2	11 396.6	11 980.5	13 288.8	7.3%	76.7%	14 548.4	16 148.9	17 866.0	10.4%	77.5%
<b>Total</b>	<b>13 973.7</b>	<b>14 675.6</b>	<b>15 810.9</b>	<b>17 398.1</b>	<b>7.6%</b>	<b>100.0%</b>	<b>18 879.3</b>	<b>20 745.4</b>	<b>22 723.4</b>	<b>9.3%</b>	<b>100.0%</b>

### Statements of historical financial performance and position

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

Statement of financial performance										Average: Outcome/Budget (%)
R million	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	2014/15 - 2017/18	
	2014/15		2015/16		2016/17		2017/18			
<b>Revenue</b>										
<b>Non-tax revenue</b>	15 960.8	16 654.2	18 048.1	18 074.3	18 192.8	19 327.9	20 742.2	21 570.1	103.7%	
Sale of goods and services other than capital assets	15 117.1	15 663.1	17 213.0	16 781.9	17 651.7	18 315.8	20 115.9	20 809.8	102.1%	
of which:										
Administrative fees	0.2	20.3	17.2	16.0	44.3	44.3	46.0	46.0	117.6%	
Sales of bulk water	15 116.9	15 642.8	17 135.1	16 765.9	17 566.5	18 271.5	20 032.6	20 726.5	102.2%	
Other sales	—	—	60.7	—	40.9	—	37.3	37.3	26.8%	
Other non-tax revenue	843.8	991.1	835.1	1 292.5	541.0	1 012.2	626.3	760.3	142.5%	
<b>Transfers received</b>	—	—	13.9	—	—	—	—	—	—	
<b>Total revenue</b>	<b>15 960.8</b>	<b>16 654.2</b>	<b>18 062.1</b>	<b>18 074.3</b>	<b>18 192.8</b>	<b>19 327.9</b>	<b>20 742.2</b>	<b>21 570.1</b>	<b>103.7%</b>	



**Table 36.15 Consolidated water boards 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	
	2014/15		2015/16		2016/17		2017/18		2014/15 - 2017/18
<b>Expenses</b>									
<b>Current expenses</b>	<b>13 745.2</b>	<b>13 915.8</b>	<b>15 565.9</b>	<b>14 580.9</b>	<b>15 337.3</b>	<b>15 705.3</b>	<b>16 920.6</b>	<b>17 280.4</b>	<b>99.9%</b>
Compensation of employees	2 702.2	3 078.1	3 011.6	3 166.8	3 344.3	3 496.9	3 541.0	3 651.2	106.3%
Goods and services	10 249.8	10 026.9	11 476.8	10 509.0	10 808.1	11 036.8	11 989.0	12 358.9	98.7%
Depreciation	664.9	768.3	895.0	806.7	1 061.0	948.2	1 229.3	1 112.1	94.4%
Interest, dividends and rent on land	128.3	42.5	182.4	98.4	123.9	223.5	161.3	158.2	87.7%
<b>Transfers and subsidies</b>	<b>–</b>	<b>57.9</b>	<b>–</b>	<b>94.7</b>	<b>106.8</b>	<b>105.6</b>	<b>117.7</b>	<b>117.7</b>	<b>167.4%</b>
<b>Total expenses</b>	<b>13 745.2</b>	<b>13 973.7</b>	<b>15 565.9</b>	<b>14 675.6</b>	<b>15 444.1</b>	<b>15 810.9</b>	<b>17 038.3</b>	<b>17 398.1</b>	<b>100.1%</b>
<b>Surplus/(Deficit)</b>	<b>2 216.0</b>	<b>2 680.0</b>	<b>2 496.0</b>	<b>3 399.0</b>	<b>2 749.0</b>	<b>3 517.0</b>	<b>3 704.0</b>	<b>4 172.0</b>	
<b>Statement of financial position</b>									
Carrying value of assets	25 838.4	26 840.4	29 622.7	31 787.4	37 954.5	35 665.4	44 162.7	42 567.1	99.5%
<i>of which:</i>									
<i>Acquisition of assets</i>	<i>(5 171.8)</i>	<i>(5 433.0)</i>	<i>(6 461.7)</i>	<i>(5 829.0)</i>	<i>(6 109.5)</i>	<i>(4 291.8)</i>	<i>(7 142.3)</i>	<i>(6 473.0)</i>	<i>88.5%</i>
Investments	1 622.4	2 760.4	2 171.6	2 954.0	1 729.9	2 878.1	1 965.9	2 518.5	148.3%
Inventory	115.2	199.3	186.9	237.4	216.8	513.3	232.3	234.3	157.7%
Loans	5.7	4.6	4.6	5.2	85.1	4.6	69.1	5.1	11.8%
Accrued investment interest	0.0	33.8	–	28.4	28.4	35.6	28.4	28.4	222.2%
Receivables and prepayments	2 340.7	4 843.6	3 998.0	5 928.1	4 673.7	5 963.5	4 901.8	5 123.0	137.4%
Cash and cash equivalents	1 966.0	2 243.8	2 325.6	2 733.1	2 466.7	2 257.0	2 618.1	2 833.3	107.4%
Non-current assets held for sale	13.5	1.5	1.5	0.4	–	0.5	–	–	16.2%
Defined benefit plan assets	–	26.4	–	30.1	45.4	58.9	46.2	61.9	193.6%
<b>Total assets</b>	<b>31 902.0</b>	<b>36 953.8</b>	<b>38 311.0</b>	<b>43 704.1</b>	<b>47 200.4</b>	<b>47 377.0</b>	<b>54 024.6</b>	<b>53 371.5</b>	<b>105.8%</b>
Accumulated surplus/(deficit)	18 082.4	19 380.1	20 056.8	22 671.0	25 397.7	26 132.7	29 093.3	29 848.8	105.8%
Capital and reserves	2 045.3	3 577.6	3 555.7	3 631.6	4 039.8	4 075.0	4 796.4	4 535.9	109.6%
Capital reserve fund	–	166.0	–	212.7	70.2	116.6	70.2	70.2	402.7%
Borrowings	6 314.5	5 413.9	6 646.3	6 980.6	7 771.8	6 785.5	9 643.3	7 665.8	88.4%
Finance lease	–	0.9	0.4	0.1	1.3	–	0.5	–	41.0%
Accrued interest	28.6	26.8	59.7	58.9	58.2	57.5	56.8	56.8	98.3%
Deferred income	1 351.5	1 401.4	1 643.8	1 655.2	2 125.9	2 331.5	2 383.4	2 562.7	105.9%
Trade and other payables	3 324.8	5 815.7	5 184.4	7 424.8	6 683.9	6 780.2	6 840.2	7 377.3	124.3%
Benefits payable	–	–	1.2	–	1.5	–	1.6	1.6	37.3%
Taxation	–	20.0	7.1	43.8	7.1	6.1	7.8	6.5	348.5%
Provisions	688.6	1 084.7	1 152.2	956.7	967.4	979.5	1 050.1	1 139.4	107.8%
Managed funds (e.g. poverty alleviation fund)	–	–	–	–	5.0	–	5.0	–	–
Derivatives financial instruments	66.2	66.8	3.2	68.7	70.6	112.3	76.0	106.3	163.9%
<b>Total equity and liabilities</b>	<b>31 902.0</b>	<b>36 953.8</b>	<b>38 311.0</b>	<b>43 704.1</b>	<b>47 200.4</b>	<b>47 377.0</b>	<b>54 024.6</b>	<b>53 371.5</b>	<b>105.8%</b>

**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									
R million	Revised	Average	Average:	Medium-term estimate			Average	Average:	
	estimate	growth	Expenditure/ Total	2018/19	2019/20	2020/21	growth	Expenditure/ Total	
	2017/18	rate	(%)				rate	(%)	
		(%)	(%)				(%)	(%)	
		2014/15 - 2017/18		2018/19 - 2020/21			2017/18 - 2020/21		
<b>Revenue</b>									
<b>Non-tax revenue</b>	<b>21 570.1</b>	<b>9.0%</b>	<b>100.0%</b>	<b>23 656.5</b>	<b>26 121.4</b>	<b>28 895.2</b>	<b>10.2%</b>	<b>100.0%</b>	
Sale of goods and services other than capital assets	20 809.8	9.9%	94.5%	22 847.2	25 286.3	27 896.9	10.3%	96.6%	
<i>of which:</i>									
<i>Administrative fees</i>	<i>46.0</i>	<i>31.3%</i>	<i>0.2%</i>	<i>47.5</i>	<i>48.7</i>	<i>51.9</i>	<i>4.1%</i>	<i>0.2%</i>	
<i>Sales of bulk water</i>	<i>20 726.5</i>	<i>9.8%</i>	<i>94.3%</i>	<i>22 776.9</i>	<i>25 216.7</i>	<i>27 822.8</i>	<i>10.3%</i>	<i>96.3%</i>	
<i>Other sales</i>	<i>37.3</i>	<i>–</i>	<i>0.0%</i>	<i>22.9</i>	<i>20.9</i>	<i>22.2</i>	<i>-15.9%</i>	<i>0.1%</i>	
Other non-tax revenue	760.3	-8.5%	5.5%	809.4	835.1	998.2	9.5%	3.4%	
<b>Total revenue</b>	<b>21 570.1</b>	<b>9.0%</b>	<b>100.0%</b>	<b>23 656.5</b>	<b>26 121.4</b>	<b>28 895.2</b>	<b>10.2%</b>	<b>100.0%</b>	
<b>Expenses</b>									
<b>Current expenses</b>	<b>17 280.4</b>	<b>7.5%</b>	<b>99.4%</b>	<b>18 751.1</b>	<b>20 605.7</b>	<b>22 571.1</b>	<b>9.3%</b>	<b>99.3%</b>	
Compensation of employees	3 651.2	5.9%	21.7%	3 923.3	4 231.9	4 545.5	7.6%	20.5%	
Goods and services	12 358.9	7.2%	71.1%	13 469.0	14 865.6	16 381.7	9.8%	71.5%	
Depreciation	1 112.1	13.1%	5.8%	1 247.9	1 387.9	1 529.7	11.2%	6.6%	
Interest, dividends and rent on land	158.2	55.0%	0.8%	110.9	120.2	114.1	-10.3%	0.6%	
<b>Transfers and subsidies</b>	<b>117.7</b>	<b>26.7%</b>	<b>0.6%</b>	<b>128.2</b>	<b>139.7</b>	<b>152.3</b>	<b>9.0%</b>	<b>0.7%</b>	
<b>Total expenses</b>	<b>17 398.1</b>	<b>7.6%</b>	<b>100.0%</b>	<b>18 879.3</b>	<b>20 745.4</b>	<b>22 723.4</b>	<b>9.3%</b>	<b>100.0%</b>	
<b>Surplus/(Deficit)</b>	<b>4 172.0</b>			<b>4 777.0</b>	<b>5 376.0</b>	<b>6 172.0</b>			

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

Statement of financial position	Revised estimate	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
				2017/18	2014/15 - 2017/18	2018/19		
R million								
Carrying value of assets	42 567.1	16.6%	75.1%	49 535.0	55 762.2	62 585.6	13.7%	81.2%
of which:								
Acquisition of assets	(6 473.0)	6.0%	-12.3%	(7 831.3)	(7 123.6)	(7 604.9)	5.5%	-11.4%
Investments	2 518.5	-3.0%	6.3%	2 175.0	2 439.0	2 036.8	-6.8%	3.6%
Inventory	234.3	5.5%	0.7%	250.1	266.4	283.9	6.6%	0.4%
Loans	5.1	3.8%	0.0%	5.1	5.1	5.0	-0.5%	0.0%
Accrued investment interest	28.4	-5.6%	0.1%	28.4	28.4	28.4	-	0.0%
Receivables and prepayments	5 123.0	1.9%	12.2%	5 117.3	5 338.1	5 714.6	3.7%	8.3%
Cash and cash equivalents	2 833.3	8.1%	5.6%	3 462.2	5 137.2	5 071.8	21.4%	6.3%
Defined benefit plan assets	61.9	32.8%	0.1%	37.9	37.9	37.9	-15.1%	0.1%
<b>Total assets</b>	<b>53 371.5</b>	<b>13.0%</b>	<b>100.0%</b>	<b>60 610.8</b>	<b>69 014.2</b>	<b>75 764.1</b>	<b>12.4%</b>	<b>100.0%</b>
Accumulated surplus/(deficit)	29 848.8	15.5%	53.9%	34 586.9	39 891.2	46 305.7	15.8%	58.0%
Capital and reserves	4 535.9	8.2%	8.8%	5 290.0	6 040.0	5 974.1	9.6%	8.5%
Capital reserve fund	70.2	-24.9%	0.3%	70.2	70.2	-	-100.0%	0.1%
Borrowings	7 665.8	12.3%	14.8%	8 735.9	10 658.0	10 594.1	11.4%	14.6%
Accrued interest	56.8	28.4%	0.1%	54.3	55.3	33.8	-15.9%	0.1%
Deferred income	2 562.7	22.3%	4.3%	2 958.7	3 098.5	3 258.0	8.3%	4.6%
Trade and other payables	7 377.3	8.3%	15.2%	7 559.2	7 741.0	8 117.4	3.2%	12.1%
Benefits payable	1.6	-	0.0%	1.8	-	-	-100.0%	0.0%
Taxation	6.5	-31.1%	0.0%	7.0	7.4	7.9	6.6%	0.0%
Provisions	1 139.4	1.7%	2.3%	1 235.7	1 335.8	1 445.7	8.3%	2.0%
Derivatives financial instruments	106.3	16.8%	0.2%	111.3	116.7	27.5	-36.3%	0.1%
<b>Total equity and liabilities</b>	<b>53 371.5</b>	<b>13.0%</b>	<b>100.0%</b>	<b>60 610.8</b>	<b>69 014.2</b>	<b>75 764.1</b>	<b>12.4%</b>	<b>100.0%</b>

## 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. The entity serves between 16 million and 19 million people. An estimated 98 per cent of its water 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		
			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Net debt to equity ratio per year	Administration	Outcome 6: An efficient, competitive and responsive economic infrastructure network	0.4	0.3	0.3	0.4	0.3	0.3	0.3
Debt service ratio per year	Administration		8.5	6.9	9.2	7.7	7.8	6.6	5.3
Cost of debt per year <sup>1</sup>	Administration		7%	9%	10%	10%	9%	9%	11%
			(269 049/3 674 901)	(405 320/4 418 735)	(438 042/4 418 735)	(440 765/4 488 898)	(553 222/6 462 143)	(813 515/9 204 041)	(1 129 877/10 397 822)
Cost per kilolitre per year	Bulk water		R5.90	R6.53	R7.56	R8.33	R9.09	R9.88	R10.74
Avoidable water loss as a percentage of total water produced (non-revenue water) per year	Bulk water		3%	3.2%	3.7%	3.5%	3.5%	3.5%	3.5%
		(4 083/136 018)	(4 424/136 666)	(4 562/124 645)					
Volume of water sold per year <sup>2</sup>	Bulk water		1 686 057	1 709 519	1 611 234	1 603 823	1 630 778	1 658 205	1 686 112

1. Measured in rand thousand.

2. Measured in thousand kilolitres.

### Expenditure analysis

Rand Water manages the water infrastructure network and its supply capacity, and connects households in Gauteng, Limpopo, North West, Mpumalanga and Free State to affordable, safe water and decent sanitation. This directly contributes to the NDP's vision for universal access to clean, potable water for all by 2030, and outcome 6 (an efficient, competitive and responsive economic infrastructure network) of government's 2014-2019 medium-term strategic framework. The focus of the entity over the medium term will continue to be on providing bulk water. This accounts for an estimated 83.6 per cent (R32.7 billion) of the entity's total expenditure over the medium term.

Expenditure in the bulk water programme is expected to increase from R8.7 billion in 2017/18 to R12.1 billion in 2020/21 due to anticipated increases in the costs of raw water, energy for pumping water, chemicals for treatment, and labour. As a result, expenditure on goods and services is expected to increase from R8.1 billion in 2017/18 to R11.1 billion in 2020/21, at an average annual rate of 11 per cent. To increase the entity's capacity to deliver 82 782 kilolitres of potable water and maintain water losses at 3.5 per cent per year over the medium term, spending on infrastructure upgrades, rehabilitation, renovations, refurbishment, maintenance and repairs is estimated to be R11.7 billion. The entity's largest capital project is the Zuikerbosch pumping station 5 augmentation scheme, which is expected to cost R1.5 billion over the MTEF period.

The entity plans to increase its number of personnel from 3 512 in 2017/18 to 3 750 in 2021, mainly to fill key vacancies, and provide additional personnel for Zuikerbosch pumping station 5 and Rand Water Mpumalanga, as well as backup staff to ensure uninterrupted water supply. Therefore, compensation of employees is expected to increase at an average annual rate of 8.1 per cent, from R1.9 billion in 2018/19 to R2.4 billion in 2020/21.

The entity's revenue is derived mainly from the sale of bulk water and work done on behalf of municipalities. The entity expects revenue to increase from R13.6 billion in 2017/18 to R18.6 billion in 2020/21, at an average annual rate of 10.9 per cent, mainly due to expected tariff increases from R8.33 per kilolitre in 2017/18 to R10.74 per kilolitre in 2020/21.

### Programmes/Objectives/Activities

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

R million	Audited outcome			Revised estimate 2017/18	Average growth rate (%) 2014/15 - 2017/18	Average: Expenditure/ Total (%) 2017/18	Medium-term expenditure estimate			Average growth rate (%) 2017/18 - 2020/21	Average: Expenditure/ Total (%) 2017/18 - 2020/21
	2014/15	2015/16	2016/17				2018/19	2019/20	2020/21		
Administration	1 364.3	1 509.2	1 790.2	1 704.0	7.7%	16.7%	1 767.4	1 898.9	2 032.2	6.0%	15.0%
Bulk water	7 043.4	7 470.4	7 916.1	8 708.2	7.3%	81.7%	9 759.1	10 865.6	12 104.4	11.6%	83.6%
Secondary activities	145.0	146.2	150.6	161.2	3.6%	1.6%	169.9	179.2	192.6	6.1%	1.4%
<b>Total</b>	<b>8 552.7</b>	<b>9 125.8</b>	<b>9 857.0</b>	<b>10 573.3</b>	<b>7.3%</b>	<b>100.0%</b>	<b>11 696.4</b>	<b>12 943.7</b>	<b>14 329.2</b>	<b>10.7%</b>	<b>100.0%</b>

### Statements of historical financial performance and position

**Table 36.19 Rand Water 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 (%) 2014/15 - 2017/18
	Budget	2014/15	Budget	2015/16	Budget	2016/17			
<b>Revenue</b>									
<b>Non-tax revenue</b>	<b>9 904.6</b>	<b>9 990.7</b>	<b>11 742.3</b>	<b>11 256.4</b>	<b>10 909.3</b>	<b>12 231.8</b>	<b>12 655.0</b>	<b>13 613.7</b>	<b>104.2%</b>
Sale of goods and services other than capital assets	9 342.1	9 802.5	11 248.3	10 950.9	10 712.0	11 856.8	12 367.9	13 366.1	105.3%
of which:									
Sales of bulk water	9 342.1	9 802.5	11 248.3	10 950.9	10 712.0	11 856.8	12 367.9	13 366.1	105.3%
Other non-tax revenue	562.5	188.2	494.0	305.5	197.3	374.9	287.1	247.6	72.4%
<b>Total revenue</b>	<b>9 904.6</b>	<b>9 990.7</b>	<b>11 742.3</b>	<b>11 256.4</b>	<b>10 909.3</b>	<b>12 231.8</b>	<b>12 655.0</b>	<b>13 613.7</b>	<b>104.2%</b>
<b>Expenses</b>									
<b>Current expenses</b>	<b>8 679.4</b>	<b>8 552.7</b>	<b>10 128.1</b>	<b>9 125.8</b>	<b>8 982.1</b>	<b>9 857.0</b>	<b>9 921.2</b>	<b>10 573.3</b>	<b>101.1%</b>
Compensation of employees	1 535.3	1 842.4	1 682.1	1 724.0	1 813.1	1 837.3	1 865.2	1 920.3	106.2%
Goods and services	6 831.7	6 387.4	7 982.4	6 969.2	6 703.9	7 400.2	7 539.1	8 146.2	99.5%
Depreciation	312.3	323.0	463.6	360.5	433.0	438.5	516.9	463.1	91.8%
Interest, dividends and rent on land	—	—	—	72.2	32.2	181.0	—	43.8	923.4%
<b>Total expenses</b>	<b>8 679.4</b>	<b>8 552.7</b>	<b>10 128.1</b>	<b>9 125.8</b>	<b>8 982.1</b>	<b>9 857.0</b>	<b>9 921.2</b>	<b>10 573.3</b>	<b>101.1%</b>
<b>Surplus/(Deficit)</b>	<b>1 225.0</b>	<b>1 438.0</b>	<b>1 614.0</b>	<b>2 131.0</b>	<b>1 927.0</b>	<b>2 375.0</b>	<b>2 734.0</b>	<b>3 040.0</b>	
Statement of financial position									
Carrying value of assets	15 454.0	15 143.0	14 835.6	17 988.5	20 727.4	20 077.1	24 656.0	23 708.0	101.6%
of which:									
Acquisition of assets	(2 602.3)	(2 579.7)	(2 579.7)	(2 914.3)	(2 722.7)	(2 222.2)	(3 902.6)	(3 331.3)	93.6%
Investments	—	482.3	482.3	461.7	389.8	458.9	389.8	354.9	139.3%
Inventory	64.0	122.4	122.5	129.7	137.3	409.7	144.5	144.1	172.1%
Loans	5.7	4.6	4.6	5.2	5.1	4.6	5.1	5.1	94.7%
Receivables and prepayments	1 058.3	1 764.5	1 765.1	1 934.7	1 825.0	2 243.6	2 056.2	2 036.8	119.0%
Cash and cash equivalents	1 017.2	1 154.1	1 154.1	1 470.2	1 045.0	805.1	1 102.9	1 473.5	113.5%
Non-current assets held for sale	—	1.5	1.5	0.4	—	0.5	—	—	162.0%
Defined benefit plan assets	—	—	—	—	21.4	10.4	22.2	37.9	110.8%
<b>Total assets</b>	<b>17 599.1</b>	<b>18 672.4</b>	<b>18 365.6</b>	<b>21 990.3</b>	<b>24 151.0</b>	<b>24 010.0</b>	<b>28 376.8</b>	<b>27 760.3</b>	<b>104.5%</b>

**Table 36.19 Rand Water statements of historical financial performance and position**

Statement of financial position									Average: Outcome/ Budget (%)
	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	2014/15 - 2017/18
R million	2014/15		2015/16		2016/17		2017/18		
Accumulated surplus/(deficit)	10 809.0	11 145.0	11 158.5	13 235.8	15 272.3	15 650.0	18 006.1	18 664.6	106.2%
Borrowings	4 495.0	3 672.4	3 675.2	4 418.7	4 815.6	4 414.7	5 913.5	4 431.5	89.6%
Deferred income	108.7	491.2	170.2	427.4	503.6	409.1	530.0	528.5	141.4%
Trade and other payables	2 128.5	2 970.1	2 970.5	3 834.0	3 458.2	3 467.0	3 819.2	4 012.8	115.4%
Taxation	–	2.5	–	–	–	–	–	–	–
Provisions	–	330.3	391.2	8.9	30.7	–	31.9	46.8	85.1%
Derivatives financial instruments	57.8	60.9	–	65.5	70.6	69.2	76.0	76.0	132.8%
<b>Total equity and liabilities</b>	<b>17 599.1</b>	<b>18 672.4</b>	<b>18 365.6</b>	<b>21 990.3</b>	<b>24 151.0</b>	<b>24 010.0</b>	<b>28 376.8</b>	<b>27 760.3</b>	<b>104.5%</b>

**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								
	Revised estimate	Average growth rate (%)	Average: Expen- diture/ Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expen- diture/ Total (%)
R million	2017/18	2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21	
<b>Revenue</b>								
<b>Non-tax revenue</b>	<b>13 613.7</b>	<b>10.9%</b>	<b>100.0%</b>	<b>15 090.7</b>	<b>16 779.0</b>	<b>18 546.6</b>	<b>10.9%</b>	<b>100.0%</b>
Sale of goods and services other than capital assets	13 366.1	10.9%	97.6%	14 811.2	16 376.5	18 108.0	10.7%	97.9%
of which:								
Sales of bulk water	13 366.1	10.9%	97.6%	14 811.2	16 376.5	18 108.0	10.7%	97.9%
Other non-tax revenue	247.6	9.6%	2.4%	279.5	402.6	438.6	21.0%	2.1%
<b>Total revenue</b>	<b>13 613.7</b>	<b>10.9%</b>	<b>100.0%</b>	<b>15 090.7</b>	<b>16 779.0</b>	<b>18 546.6</b>	<b>10.9%</b>	<b>100.0%</b>
<b>Expenses</b>								
<b>Current expenses</b>	<b>10 573.3</b>	<b>7.3%</b>	<b>100.0%</b>	<b>11 696.4</b>	<b>12 943.7</b>	<b>14 329.2</b>	<b>10.7%</b>	<b>100.0%</b>
Compensation of employees	1 920.3	1.4%	19.3%	2 070.1	2 239.8	2 423.5	8.1%	17.5%
Goods and services	8 146.2	8.4%	75.8%	9 063.0	10 039.4	11 140.2	11.0%	77.5%
Depreciation	463.1	12.8%	4.1%	563.2	664.5	765.5	18.2%	4.9%
Interest, dividends and rent on land	43.8	–	0.8%	–	–	–	-100.0%	0.1%
<b>Total expenses</b>	<b>10 573.3</b>	<b>7.3%</b>	<b>100.0%</b>	<b>11 696.4</b>	<b>12 943.7</b>	<b>14 329.2</b>	<b>10.7%</b>	<b>100.0%</b>
<b>Surplus/(Deficit)</b>	<b>3 040.0</b>			<b>3 394.0</b>	<b>3 835.0</b>	<b>4 217.0</b>		
<b>Statement of financial position</b>								
Carrying value of assets	23 708.0	16.1%	83.0%	28 134.7	32 702.6	37 746.6	16.8%	84.9%
of which:								
Acquisition of assets	(3 331.3)	8.9%	-12.1%	(4 486.0)	(4 539.0)	(4 867.0)	13.5%	-12.1%
Investments	354.9	-9.7%	2.0%	393.5	435.5	481.8	10.7%	1.2%
Inventory	144.1	5.6%	0.9%	151.9	160.3	169.2	5.5%	0.4%
Loans	5.1	3.8%	0.0%	5.1	5.1	5.0	-0.5%	0.0%
Receivables and prepayments	2 036.8	4.9%	8.7%	2 269.1	2 480.4	2 733.5	10.3%	6.7%
Cash and cash equivalents	1 473.5	8.5%	5.4%	1 829.8	3 427.8	3 185.4	29.3%	6.7%
Defined benefit plan assets	37.9	–	0.0%	37.9	37.9	37.9	–	0.1%
<b>Total assets</b>	<b>27 760.3</b>	<b>14.1%</b>	<b>100.0%</b>	<b>32 821.9</b>	<b>39 249.5</b>	<b>44 359.4</b>	<b>16.9%</b>	<b>100.0%</b>
Accumulated surplus/(deficit)	18 664.6	18.8%	63.1%	22 058.9	25 894.2	30 111.6	17.3%	67.1%
Borrowings	4 431.5	6.5%	18.5%	5 591.5	7 849.2	8 436.6	23.9%	18.0%
Deferred income	528.5	2.5%	2.0%	557.1	587.7	620.6	5.5%	1.6%
Trade and other payables	4 012.8	10.5%	15.6%	4 485.7	4 783.2	5 143.7	8.6%	13.0%
Provisions	46.8	-47.9%	0.5%	46.8	46.8	46.8	–	0.1%
Derivatives financial instruments	76.0	7.7%	0.3%	81.9	88.2	–	-100.0%	0.2%
<b>Total equity and liabilities</b>	<b>27 760.3</b>	<b>14.1%</b>	<b>100.0%</b>	<b>32 821.9</b>	<b>39 249.5</b>	<b>44 359.4</b>	<b>16.9%</b>	<b>100.0%</b>

**Personnel information****Table 36.21 Rand Water personnel numbers and cost by salary level**

Number of posts estimated for 31 March 2018		Number and cost <sup>1</sup> 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 (%)				
		2016/17		2017/18		2018/19		2019/20		2020/21		2017/18 - 2020/21							
		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost			
<b>Rand Water</b>																			
Salary level	3 586	3 586	3 425	1 837.3	0.5	3 512	1 920.3	0.5	3 606	2 070.1	0.6	3 700	2 239.8	0.6	3 750	2 423.5	0.6	8.1%	100.0%
1 – 6	415	415	412	173.0	0.4	412	177.1	0.4	418	193.6	0.5	453	221.5	0.5	453	236.8	0.5	10.2%	11.9%
7 – 10	2 544	2 544	2 433	989.4	0.4	2 500	1 033.3	0.4	2 562	1 124.0	0.4	2 616	1 206.0	0.5	2 656	1 301.7	0.5	8.0%	70.9%
11 – 12	341	341	325	295.6	0.9	330	308.7	0.9	338	333.1	1.0	339	355.9	1.0	339	380.5	1.1	7.2%	9.2%
13 – 16	274	274	243	341.7	1.4	258	370.1	1.4	276	386.9	1.4	280	421.2	1.5	290	466.5	1.6	8.0%	7.6%
17 – 22	12	12	12	37.5	3.1	12	31.2	2.6	12	32.5	2.7	12	35.2	2.9	12	38.0	3.2	6.8%	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 and water boards. The authority also plays an important role in the provision of financial advisory services (structuring and raising project finance, debt management and tariff setting), 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		
			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Milestones achieved towards the completion of 160km of pipeline per year	Berg River Voëlvlei water augmentation scheme	Outcome 6: An efficient, competitive and responsive economic infrastructure network	- <sup>1</sup>	- <sup>1</sup>	- <sup>1</sup>	Directive received	Construction contract awarded	Construction commenced	Completed
Percentage of 40km pipeline completed per year	Olifants River water resource development project: Phase 2C		99%	99%	100%	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>	- <sup>2</sup>
Milestones achieved towards the completion of 160km pipeline per year	Mokolo and Crocodile River water augmentation project: Phase 2A		- <sup>1</sup>	- <sup>1</sup>	Transfer capacity determined	Professional service provider contract awarded	Environmental assessment report submitted to the Department of Environmental Affairs	Construction contract awarded	20% of 160km completed
Implementation of long-term solution for acid mine drainage	Acid mine drainage		- <sup>1</sup>	- <sup>1</sup>	- <sup>1</sup>	Identify system receiving points for acid mine drainage	Tender evaluation	Construction commences	Construction continues

1. No historical data available.

2. Project construction completed.

### Expenditure analysis

The Trans-Caledon Tunnel Authority is responsible for debt and risk management services to ensure efficient and sustainable financing and implementation of water infrastructure projects on behalf of the department. Over the medium term, the authority will focus on the implementation and financing of meter augmentation projects. Through this work, the authority contributes to the NDP's vision of universal access to affordable, sufficient and safe water and decent sanitation by 2030. The authority also actively contributes to the achievement of outcome 6 (an efficient, competitive and responsive economic infrastructure network) of government's 2014-2019 medium-term strategic framework.

The authority will continue to protect and augment the water supply of the Vaal River system. The work of the Vaal River system programme includes the planning of activities for phase 2 of the Lesotho Highlands water project, which is aimed at increasing the delivery of water from the Polihali Dam in Lesotho to the Vaal. Expenditure in this programme is expected to increase from R5.3 billion in 2017/18 to R6.2 billion in 2020/21, at an average annual rate of 5.3 per cent, to repay debt incurred for the completion of phase 1 of the project. Construction of phase 2 is expected to commence in 2019/20.

The authority also aims to fund a long-term solution for acid mine drainage with R10.5 billion over the medium term through a combination of borrowing and transfers from the Water Trading Entity. Expenditure in this regard relates to the construction of reverse osmosis desalination plants, the pumping of mine water, and the operations and maintenance of related infrastructure.

Over the MTEF period, the authority plans to implement phase 2A of the Mokolo Crocodile water augmentation project, which is aimed at providing additional water for domestic use, power generation, and coal mining in the Waterberg region. Expenditure on the project is expected to increase from R602.9 million in 2017/18 to R3.5 billion in 2020/21, at an average annual rate of 80.1 per cent. The project is expected to become operational

in 2020/21. The authority plans to fast-track the construction of phase 2C of the Olifants River water resource development project to improve water supply and for mining activities. Expenditure on the project is expected to decrease from R1.6 billion in 2017/18 to R34 million in 2020/21 as the construction of the 40 kilometre pipeline for phase 2C is expected to be completed by March 2019.

To minimise the impact of the drought in Western Cape, the authority also plans to fast-track the Berg River Voëlvlei augmentation project to abstract and pump water from the Berg River to the Voëlvlei Dam through a 6.3 kilometre pipeline. This project is expected to improve the Voëlvlei Dam's yield by 23 million cubic metres per year, and has a budget of R405 million over the medium term.

The authority will continue to manage the debt of 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. As a result, the authority's borrowings are expected to increase from R33.2 billion in 2017/18 to R41.8 billion in 2020/21, at an average annual rate of 8 per cent. The authority manages debt prudently to ensure that increases in borrowings are counteracted by decreases in interest payments, which are expected to decrease from R4.5 billion in 2017/18 to R4.3 billion in 2020/21.

The authority expects its number of personnel to remain constant at 195 over the medium term. Expenditure on compensation of employees is expected to increase from R208.2 million in 2017/18 to R244.7 million in 2020/21, at an average annual rate of 5.5 per cent.

### 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 (%)
	2014/15	2015/16	2016/17				2017/18	2018/19	2019/20		
Vaal River System	3 121.0	4 206.9	3 631.8	5 308.9	19.4%	58.7%	6 166.8	6 891.5	6 189.8	5.3%	52.9%
Berg water project	92.7	88.1	90.8	83.1	-3.6%	1.3%	116.4	58.4	71.9	-4.7%	0.8%
Vaal River eastern subsystem augmentation project	367.8	383.4	383.5	472.2	8.7%	5.9%	627.4	336.0	320.6	-12.1%	4.1%
Mooi-Mgeni transfer scheme	567.6	472.0	333.4	276.6	-21.3%	6.4%	211.3	185.2	176.9	-13.8%	1.9%
Olifants River water resource development project	513.7	304.2	140.2	1 635.1	47.1%	8.0%	73.1	23.5	34.0	-72.5%	4.4%
Komati water scheme augmentation project	132.6	124.3	129.9	494.7	55.1%	2.9%	180.8	137.4	136.4	-34.9%	2.2%
Mokolo Crocodile water augmentation project	273.8	420.4	252.1	602.9	30.1%	5.4%	436.5	1 684.1	3 520.4	80.1%	11.4%
Acid mine drainage	574.8	1 145.4	390.7	1 202.7	27.9%	11.4%	841.9	4 976.1	4 639.5	56.8%	21.6%
Kriel	-	1.7	3.3	2.5	-	0.0%	46.7	0.4	0.1	-64.6%	0.1%
Berg River Voëlvlei Augmentation Project	-	-	-	-	-	-	30.7	187.9	186.4	-	0.7%
<b>Total</b>	<b>5 643.9</b>	<b>7 146.2</b>	<b>5 355.7</b>	<b>10 078.5</b>	<b>21.3%</b>	<b>100.0%</b>	<b>8 731.7</b>	<b>14 480.6</b>	<b>15 276.1</b>	<b>14.9%</b>	<b>100.0%</b>

### 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	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	Average:
									Outcome/Budget (%)
R million	2014/15	2015/16	2015/16	2016/17	2016/17	2017/18	2017/18	2017/18	2014/15 - 2017/18
<b>Revenue</b>									
<b>Non-tax revenue</b>	<b>8 103.8</b>	<b>5 453.7</b>	<b>4 418.5</b>	<b>5 424.3</b>	<b>7 241.4</b>	<b>7 659.9</b>	<b>16 281.9</b>	<b>16 922.2</b>	<b>98.4%</b>
Sale of goods and services other than capital assets	6 355.7	2 547.5	4 871.6	2 904.2	4 490.1	2 071.1	5 536.4	5 571.8	61.6%
of which:									
Construction revenue	6 355.7	2 547.5	4 871.6	2 904.2	4 490.1	2 071.1	5 536.4	5 571.8	61.6%
Other non-tax revenue	1 748.0	2 906.2	(453.1)	2 520.0	2 751.2	5 588.8	10 745.6	11 350.4	151.2%
<b>Total revenue</b>	<b>8 103.8</b>	<b>5 453.7</b>	<b>4 418.5</b>	<b>5 424.3</b>	<b>7 241.4</b>	<b>7 659.9</b>	<b>16 281.9</b>	<b>16 922.2</b>	<b>98.4%</b>
<b>Expenses</b>									
<b>Current expenses</b>	<b>8 750.3</b>	<b>5 643.9</b>	<b>7 630.3</b>	<b>7 146.2</b>	<b>9 959.2</b>	<b>5 355.7</b>	<b>9 472.7</b>	<b>10 078.5</b>	<b>78.8%</b>
Compensation of employees	181.0	146.1	212.0	168.2	241.7	170.7	208.2	208.2	82.2%
Goods and services	6 106.7	2 392.7	4 648.2	2 730.0	4 224.7	1 894.7	5 308.8	5 321.2	60.8%
Depreciation	9.8	10.2	11.4	6.1	23.7	5.7	19.4	7.9	46.4%
Interest, dividends and rent on land	2 452.7	3 095.0	2 758.7	4 242.0	5 469.1	3 284.6	3 936.4	4 541.2	103.7%
<b>Total expenses</b>	<b>8 750.3</b>	<b>5 643.9</b>	<b>7 630.3</b>	<b>7 146.2</b>	<b>9 959.2</b>	<b>5 355.7</b>	<b>9 472.7</b>	<b>10 078.5</b>	<b>78.8%</b>
<b>Surplus/(Deficit)</b>	<b>(647.0)</b>	<b>(190.0)</b>	<b>(3 212.0)</b>	<b>(1 722.0)</b>	<b>(2 718.0)</b>	<b>2 304.0</b>	<b>6 809.0</b>	<b>6 844.0</b>	

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

Statement of financial position								Average: Outcome/ Budget (%)	
	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	2014/15 - 2017/18
R million	2014/15		2015/16		2016/17		2017/18		
Carrying value of assets	34.1	13.0	23.0	11.8	23.0	26.2	14.1	14.1	69.1%
<i>of which:</i>									
Acquisition of assets	–	(1.1)	(11.0)	(4.3)	–	(16.2)	–	–	195.7%
Investments	4 569.1	4 011.0	11 499.0	1 588.1	9 346.2	3 052.1	8 012.4	–	25.9%
Receivables and prepayments	32 515.2	28 987.8	36 127.7	25 929.5	29 489.5	27 389.4	35 564.3	35 598.8	88.2%
Cash and cash equivalents	–	–	–	3 118.3	–	2 558.9	–	8 012.4	–
Taxation	–	47.5	–	40.7	–	2.1	–	–	–
<b>Total assets</b>	<b>37 118.4</b>	<b>33 059.3</b>	<b>47 649.7</b>	<b>30 688.4</b>	<b>38 858.7</b>	<b>33 028.7</b>	<b>43 590.9</b>	<b>43 625.4</b>	<b>84.0%</b>
Accumulated surplus/(deficit)	4 948.0	2 084.3	8 747.0	362.1	(2 596.3)	2 667.4	7 944.0	7 944.0	68.6%
Capital and reserves	–	–	–	–	–	–	–	34.5	–
Borrowings	31 110.7	27 882.0	38 129.3	28 439.9	40 849.5	28 741.0	35 359.0	33 184.7	81.3%
Trade and other payables	1 040.3	2 618.0	773.4	1 439.3	605.5	1 164.5	287.9	2 462.2	283.8%
Taxation	–	108.0	–	101.1	–	116.2	–	–	–
Provisions	–	367.1	–	343.5	–	339.6	–	–	–
Derivatives financial instruments	–	–	–	2.5	–	(0.0)	–	–	–
<b>Total equity and liabilities</b>	<b>37 099.0</b>	<b>33 059.3</b>	<b>47 649.7</b>	<b>30 688.4</b>	<b>38 858.7</b>	<b>33 028.7</b>	<b>43 590.9</b>	<b>43 625.4</b>	<b>84.0%</b>

**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								
	Revised estimate	Average growth rate (%)	Average: Expen- diture/ Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expen- diture/ Total (%)
R million	2017/18	2014/15	2017/18	2018/19	2019/20	2020/21	2017/18 - 2020/21	
<b>Revenue</b>								
<b>Non-tax revenue</b>	<b>16 922.2</b>	<b>45.9%</b>	<b>100.0%</b>	<b>6 778.6</b>	<b>13 536.5</b>	<b>13 723.2</b>	<b>-6.7%</b>	<b>100.0%</b>
Sale of goods and services other than capital assets	5 571.8	29.8%	40.1%	3 719.5	10 606.3	10 026.1	21.6%	59.8%
<i>of which:</i>								
Construction revenue	5 571.8	29.8%	40.1%	3 719.5	10 606.3	10 026.1	21.6%	59.8%
Other non-tax revenue	11 350.4	57.5%	59.9%	3 059.1	2 930.2	3 697.1	-31.2%	40.2%
<b>Total revenue</b>	<b>16 922.2</b>	<b>45.9%</b>	<b>100.0%</b>	<b>6 778.6</b>	<b>13 536.5</b>	<b>13 723.2</b>	<b>-6.7%</b>	<b>100.0%</b>
<b>Expenses</b>								
<b>Current expenses</b>	<b>10 078.5</b>	<b>21.3%</b>	<b>100.0%</b>	<b>8 731.7</b>	<b>14 480.6</b>	<b>15 276.1</b>	<b>14.9%</b>	<b>100.0%</b>
Compensation of employees	208.2	12.5%	2.5%	220.5	235.7	244.7	5.5%	2.0%
Goods and services	5 321.2	30.5%	42.2%	4 158.3	11 155.7	10 680.6	26.1%	61.8%
Depreciation	7.9	-8.1%	0.1%	15.1	8.0	3.1	-26.8%	0.1%
Interest, dividends and rent on land	4 541.2	13.6%	55.1%	4 337.8	3 081.2	4 347.6	-1.4%	36.1%
<b>Total expenses</b>	<b>10 078.5</b>	<b>21.3%</b>	<b>100.0%</b>	<b>8 731.7</b>	<b>14 480.6</b>	<b>15 276.1</b>	<b>14.9%</b>	<b>100.0%</b>
<b>Surplus/(Deficit)</b>	<b>6 844.0</b>			<b>(1 953.0)</b>	<b>(944.0)</b>	<b>(1 553.0)</b>		
<b>Statement of financial position</b>								
Carrying value of assets	14.1	2.9%	0.0%	6.5	0.9	0.1	-78.8%	0.0%
<i>of which:</i>								
Acquisition of assets	–	-100.0%	-0.0%	(2.0)	(2.1)	(2.2)	–	-0.0%
Investments	–	-100.0%	6.6%	1 055.2	933.6	1 561.0	–	2.3%
Receivables and prepayments	35 598.8	7.1%	84.2%	25 072.5	28 814.8	32 764.9	-2.7%	77.7%
Cash and cash equivalents	8 012.4	–	9.1%	4 256.5	7 656.6	12 686.0	16.6%	20.0%
<b>Total assets</b>	<b>43 625.4</b>	<b>9.7%</b>	<b>100.0%</b>	<b>30 390.7</b>	<b>37 405.8</b>	<b>47 012.0</b>	<b>2.5%</b>	<b>100.0%</b>
Accumulated surplus/(deficit)	7 944.0	56.2%	8.4%	1 526.1	582.1	(970.9)	-149.6%	5.7%
Capital and reserves	34.5	–	0.0%	–	–	–	-100.0%	0.0%
Capital reserve fund	–	–	–	1 219.1	2 012.2	2 914.6	–	3.9%
Borrowings	33 184.7	6.0%	85.0%	26 706.6	33 850.8	41 822.3	8.0%	85.9%
Trade and other payables	2 462.2	-2.0%	5.4%	938.9	960.7	3 246.1	9.7%	4.6%
<b>Total equity and liabilities</b>	<b>43 625.4</b>	<b>9.7%</b>	<b>100.0%</b>	<b>30 390.7</b>	<b>37 405.8</b>	<b>47 012.0</b>	<b>2.5%</b>	<b>100.0%</b>

## Personnel information

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

Number of posts estimated for 31 March 2018			Number and cost <sup>1</sup> of personnel posts filled / planned for on funded establishment												Number				
Number of funded posts	Number of posts on approved establishment	Number of posts	Actual			Revised estimate			Medium-term expenditure estimate						Average growth rate (%)	Average: Salary level/Total (%)			
			2016/17		Unit cost	2017/18		Unit cost	2018/19		2019/20		2020/21				2017/18 - 2020/21		
Trans-Caledon Tunnel Authority			Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost		
Salary level	195	195	142	170.7	1.2	195	208.2	1.1	195	220.5	1.1	195	235.7	1.2	195	244.7	1.3	5.5%	100.0%
1 – 6	17	17	3	0.6	0.2	17	2.7	0.2	17	2.8	0.2	17	3.0	0.2	17	3.1	0.2	5.7%	8.7%
7 – 10	72	72	40	19.7	0.5	72	37.0	0.5	72	39.3	0.5	72	44.8	0.6	72	43.7	0.6	5.7%	36.9%
11 – 12	19	19	29	25.6	0.9	19	16.7	0.9	19	17.7	0.9	19	18.7	1.0	19	19.7	1.0	5.7%	9.7%
13 – 16	73	73	62	97.1	1.6	73	112.4	1.5	73	119.2	1.6	73	125.6	1.7	73	132.5	1.8	5.6%	37.4%
17 – 22	14	14	8	27.6	3.5	14	39.4	2.8	14	41.6	3.0	14	43.6	3.1	14	45.6	3.3	5.0%	7.2%

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 eThekweni. 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		
			2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Net debt to equity ratio per year	Bulk activities	Outcome 6: An efficient, competitive and responsive economic infrastructure network	-0.1	0.0019	0.12	0.135	0.164	0.133	0.102
Debt service ratio per year	Bulk activities		5.7	4.6	2.9	2.9	3.5	4.6	6.6
Costs per kilolitre (R/kl) per year	Bulk activities		R2.85	R3.25	R3.66	R4.58	R4.95	R5.24	R5.44
Weighted average cost of capital per year	Bulk activities		R9.47	R10.53	R10.59	R10.51	R10.89	R11.04	R11.06
Volume of water sold (thousand kl) per year	Bulk activities		446 548	435 726	409 887	449 828	459 372	469 597	476 641

### Expenditure analysis

Umgeni Water's strategic functions include the development of infrastructure to increase capacity and improve access to water in its service area in KwaZulu-Natal. This is in line with the NDP's vision that all South Africans have access to affordable, sufficient, safe and decent water and sanitation, and outcome 6 (an efficient, competitive and responsive economic infrastructure network) of government's 2014-2019 medium-term strategic framework.

The entity's focus over the medium term will continue to be on developing and maintaining regional bulk infrastructure in its service areas. As a result, expenditure on the abstraction, treatment and distribution of bulk water in the bulk activities programme is expected to increase at an average annual rate of 11.1 per cent, from R1.2 billion in 2017/18 to R1.6 billion in 2020/21. Capital expenditure is set to decrease from R1.5 billion in 2017/18 to R1.3 billion in 2020/21 due to Cabinet's approved reductions of R683.4 million over the medium term from the regional bulk infrastructure allocation to Umgeni Water. These reductions are also set to lead to delays in project implementation. In addition to capital expenditure, bulk water costs such as energy, labour, raw water purchases and chemicals drive overall expenditure in the bulk activities programme. Expenditure on goods and services is set to increase at an average annual rate of 8 per cent, from R1.3 billion in 2017/18 to R1.7 billion in 2020/21. An increase in projects being implemented on behalf of municipalities are set to drive an increase in expenditure in the wastewater programme from R127.4 million in 2017/18 to R163.6 million in 2020/21, at an average annual rate of 8.7 per cent.



Umgeni Water expects to maintain its number of personnel at 1 129 over the medium term. Spending on compensation of employees is expected to increase from R550.4 million in 2017/18 to R686 million in 2020/21, at an average annual rate of 7.6 per cent.

The entity receives its income primarily from the sale of bulk water. Revenue is expected to increase from R3.1 billion in 2017/18 to R4.2 billion in 2020/21, at an average annual rate of 10.9 per cent. This is driven by the anticipated increase in the volume of water sold, from 449 828 kilolitres in 2017/18 to 476 641 kilolitres in 2020/21 due to increased demand, and an increase in the cost per kilolitre from R4.58 in 2017/18 to R5.44 in 2020/21.

### Programmes/Objectives/Activities

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

R million	Audited outcome			Revised estimate 2017/18	Average growth rate (%) 2014/15 - 2017/18	Average: Expenditure/Total (%) 2017/18	Medium-term expenditure estimate			Average growth rate (%) 2017/18 - 2020/21	Average: Expenditure/Total (%) 2017/18 - 2020/21
	2014/15	2015/16	2016/17				2018/19	2019/20	2020/21		
Administration	680.1	730.0	771.5	1 020.8	14.5%	41.5%	1 109.0	1 134.1	1 093.0	2.3%	41.3%
Bulk activities	794.3	856.5	937.0	1 174.8	13.9%	48.8%	1 299.3	1 447.3	1 609.2	11.1%	52.0%
Waste water	62.2	75.3	88.2	127.4	27.0%	4.5%	138.0	150.4	163.6	8.7%	5.5%
Other activities	93.6	109.0	153.7	22.8	-37.5%	5.2%	34.9	37.0	39.3	19.8%	1.3%
<b>Total</b>	<b>1 630.1</b>	<b>1 770.8</b>	<b>1 950.4</b>	<b>2 345.9</b>	<b>12.9%</b>	<b>100.0%</b>	<b>2 581.2</b>	<b>2 768.8</b>	<b>2 905.1</b>	<b>7.4%</b>	<b>100.0%</b>

### 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	Audited outcome		Audited outcome		Audited outcome		Budget estimate	Revised estimate	Average: Outcome/Budget (%) 2014/15 - 2017/18
	Budget	2014/15	Budget	2015/16	Budget	2016/17			
<b>Revenue</b>									
<b>Non-tax revenue</b>	<b>2 282.0</b>	<b>2 415.3</b>	<b>2 437.8</b>	<b>2 552.0</b>	<b>2 686.7</b>	<b>2 696.5</b>	<b>3 083.6</b>	<b>3 090.0</b>	<b>102.5%</b>
Sale of goods and services other than capital assets	2 231.5	2 245.5	2 391.1	2 377.3	2 599.9	2 509.5	3 031.3	3 001.8	98.8%
of which:									
Sales of bulk water	2 231.5	2 245.5	2 391.1	2 377.3	2 599.9	2 509.5	3 031.3	3 001.8	98.8%
Other non-tax revenue	50.5	169.7	46.6	174.7	86.7	187.0	52.3	88.1	262.3%
<b>Total revenue</b>	<b>2 282.0</b>	<b>2 415.3</b>	<b>2 437.8</b>	<b>2 552.0</b>	<b>2 686.7</b>	<b>2 696.5</b>	<b>3 083.6</b>	<b>3 090.0</b>	<b>102.5%</b>
<b>Expenses</b>									
<b>Current expenses</b>	<b>1 857.7</b>	<b>1 572.3</b>	<b>1 915.3</b>	<b>1 676.1</b>	<b>1 985.1</b>	<b>1 844.8</b>	<b>2 251.8</b>	<b>2 228.2</b>	<b>91.4%</b>
Compensation of employees	463.6	426.0	437.7	473.0	496.3	560.2	540.1	550.4	103.7%
Goods and services	1 215.1	1 005.4	1 271.2	1 044.5	1 237.8	1 112.7	1 340.1	1 335.8	88.8%
Depreciation	108.3	138.1	76.7	157.4	228.9	170.6	292.8	275.8	105.0%
Interest, dividends and rent on land	70.7	2.8	129.6	1.2	22.0	1.4	78.8	66.3	23.8%
Transfers and subsidies	-	57.9	-	94.7	106.8	105.6	117.7	117.7	167.4%
<b>Total expenses</b>	<b>1 857.7</b>	<b>1 630.1</b>	<b>1 915.3</b>	<b>1 770.8</b>	<b>2 091.9</b>	<b>1 950.4</b>	<b>2 369.5</b>	<b>2 345.9</b>	<b>93.5%</b>
<b>Surplus/(Deficit)</b>	<b>424.0</b>	<b>785.0</b>	<b>522.0</b>	<b>781.0</b>	<b>595.0</b>	<b>746.0</b>	<b>714.0</b>	<b>744.0</b>	
<b>Statement of financial position</b>									
Carrying value of assets	4 984.8	5 556.2	7 201.0	7 144.0	8 892.7	7 911.5	9 809.3	9 404.7	97.2%
of which:									
Acquisition of assets	(1 204.2)	(1 693.0)	(2 133.4)	(2 034.3)	(1 977.9)	(1 172.3)	(1 476.1)	(1 503.4)	94.3%
Investments	1 075.9	1 661.6	1 003.2	1 928.0	729.3	1 807.7	807.6	1 362.7	186.9%
Inventory	9.6	12.1	12.4	14.7	17.5	15.7	20.5	20.5	105.0%
Accrued investment interest	0.0	33.8	-	28.4	28.4	35.6	28.4	28.4	222.2%
Receivables and prepayments	298.5	345.0	338.0	398.8	411.2	427.9	468.5	476.1	108.7%
Cash and cash equivalents	1.3	37.9	13.7	43.9	13.2	24.9	15.9	16.8	279.7%
Non-current assets held for sale	13.5	-	-	-	-	-	-	-	-
<b>Total assets</b>	<b>6 383.6</b>	<b>7 646.6</b>	<b>8 568.2</b>	<b>9 557.7</b>	<b>10 092.4</b>	<b>10 223.3</b>	<b>11 150.1</b>	<b>11 309.2</b>	<b>107.0%</b>
Accumulated surplus/(deficit)	3 894.9	4 796.3	5 141.2	5 540.9	6 100.2	6 380.5	6 729.3	6 901.1	108.0%
Capital and reserves	442.8	442.8	442.8	442.8	442.8	442.8	442.8	442.8	100.0%
Borrowings	1 181.5	1 171.8	1 943.3	2 029.4	1 950.6	1 950.7	2 320.9	2 320.9	101.0%
Accrued interest	28.6	26.8	59.7	58.9	58.2	57.5	56.8	56.8	98.3%
Trade and other payables	289.7	606.5	389.5	776.5	769.6	626.5	757.9	713.9	123.4%
Provisions	537.6	596.5	588.5	706.1	770.8	722.3	842.4	843.3	104.7%
Derivatives financial instruments	8.4	5.9	3.2	3.2	-	43.1	-	30.3	714.7%
<b>Total equity and liabilities</b>	<b>6 383.6</b>	<b>7 646.6</b>	<b>8 568.2</b>	<b>9 557.7</b>	<b>10 092.4</b>	<b>10 223.3</b>	<b>11 150.1</b>	<b>11 309.2</b>	<b>107.0%</b>

## 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		Revised estimate	Average growth rate (%)	Average: Expenditure/Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/Total (%)
					2017/18	2014/15 - 2017/18	2018/19		
R million									
<b>Revenue</b>									
<b>Non-tax revenue</b>		<b>3 090.0</b>	<b>8.6%</b>	<b>100.0%</b>	<b>3 434.8</b>	<b>3 812.8</b>	<b>4 215.2</b>	<b>10.9%</b>	<b>100.0%</b>
Sale of goods and services other than capital assets		3 001.8	10.2%	94.1%	3 363.0	3 753.7	4 166.3	11.5%	98.1%
of which:									
Sales of bulk water		3 001.8	10.2%	94.1%	3 363.0	3 753.7	4 166.3	11.5%	98.1%
Other non-tax revenue		88.1	-19.6%	5.9%	71.8	59.2	48.9	-17.8%	1.9%
<b>Total revenue</b>		<b>3 090.0</b>	<b>8.6%</b>	<b>100.0%</b>	<b>3 434.8</b>	<b>3 812.8</b>	<b>4 215.2</b>	<b>10.9%</b>	<b>100.0%</b>
<b>Expenses</b>									
<b>Current expenses</b>		<b>2 228.2</b>	<b>12.3%</b>	<b>95.2%</b>	<b>2 453.0</b>	<b>2 629.1</b>	<b>2 752.8</b>	<b>7.3%</b>	<b>94.9%</b>
Compensation of employees		550.4	8.9%	26.3%	590.8	639.8	686.0	7.6%	23.3%
Goods and services		1 335.8	9.9%	58.7%	1 506.0	1 619.7	1 681.7	8.0%	57.9%
Depreciation		275.8	25.9%	9.5%	295.7	314.3	336.9	6.9%	11.5%
Interest, dividends and rent on land		66.3	187.0%	0.8%	60.5	55.3	48.0	-10.2%	2.2%
<b>Transfers and subsidies</b>		<b>117.7</b>	<b>26.7%</b>	<b>4.8%</b>	<b>128.2</b>	<b>139.7</b>	<b>152.3</b>	<b>9.0%</b>	<b>5.1%</b>
<b>Total expenses</b>		<b>2 345.9</b>	<b>12.9%</b>	<b>100.0%</b>	<b>2 581.2</b>	<b>2 768.8</b>	<b>2 905.1</b>	<b>7.4%</b>	<b>100.0%</b>
<b>Surplus/(Deficit)</b>		<b>744.0</b>			<b>854.0</b>	<b>1 044.0</b>	<b>1 310.0</b>		
<b>Statement of financial position</b>									
Carrying value of assets		9 404.7	19.2%	77.0%	10 632.6	11 522.3	12 690.7	10.5%	87.9%
of which:									
Acquisition of assets		(1 503.4)	-3.9%	-17.0%	(1 661.5)	(1 294.6)	(1 362.4)	-3.2%	-11.7%
Investments		1 362.7	-6.4%	17.9%	880.7	917.0	387.1	-34.3%	7.3%
Inventory		20.5	19.4%	0.2%	23.7	27.0	30.5	14.1%	0.2%
Accrued investment interest		28.4	-5.6%	0.3%	28.4	28.4	28.4	-	0.2%
Receivables and prepayments		476.1	11.3%	4.3%	513.7	553.9	595.5	7.7%	4.3%
Cash and cash equivalents		16.8	-23.8%	0.3%	15.7	17.3	19.5	5.2%	0.1%
<b>Total assets</b>		<b>11 309.2</b>	<b>13.9%</b>	<b>100.0%</b>	<b>12 094.8</b>	<b>13 065.9</b>	<b>13 751.7</b>	<b>6.7%</b>	<b>100.0%</b>
Accumulated surplus/(deficit)		6 901.1	12.9%	61.0%	7 754.7	8 798.8	10 551.8	15.2%	67.3%
Capital and reserves		442.8	-	4.7%	442.8	442.8	-	-100.0%	2.7%
Borrowings		2 320.9	25.6%	19.0%	2 191.9	2 112.7	1 433.2	-14.8%	16.3%
Accrued interest		56.8	28.4%	0.5%	54.3	55.3	33.8	-15.9%	0.4%
Trade and other payables		713.9	5.6%	7.1%	699.0	619.2	603.6	-5.4%	5.3%
Provisions		843.3	12.2%	7.4%	922.6	1 008.7	1 101.8	9.3%	7.7%
Derivatives financial instruments		30.3	72.2%	0.2%	29.4	28.5	27.5	-3.2%	0.2%
<b>Total equity and liabilities</b>		<b>11 309.2</b>	<b>13.9%</b>	<b>100.0%</b>	<b>12 094.8</b>	<b>13 065.9</b>	<b>13 751.7</b>	<b>6.7%</b>	<b>100.0%</b>

## Personnel information

Table 36.31 Umgeni Water personnel numbers and cost by salary level

Number of posts estimated for 31 March 2018		Number and cost <sup>1</sup> 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 (%)			
		2016/17		Unit cost	2017/18		Unit cost	2018/19		2019/20		2020/21				2017/18 - 2020/21		
<b>Umgeni Water</b>		<b>Number</b>	<b>Cost</b>	<b>Unit cost</b>	<b>Number</b>	<b>Cost</b>	<b>Unit cost</b>	<b>Number</b>	<b>Cost</b>	<b>Unit cost</b>	<b>Number</b>	<b>Cost</b>	<b>Unit cost</b>	<b>Number</b>	<b>Cost</b>	<b>Unit cost</b>		
Salary level	1 127	1 046	560.2	0.5	1 127	550.4	0.5	1 129	590.8	0.5	1 129	639.8	0.6	1 129	686.0	0.6	7.6%	100.0%
1 - 6	138	114	20.3	0.2	138	14.8	0.1	140	15.6	0.1	140	16.2	0.1	140	16.7	0.1	4.2%	12.4%
7 - 10	713	677	285.7	0.4	713	272.2	0.4	713	300.0	0.4	713	328.8	0.5	713	357.5	0.5	9.5%	63.2%
11 - 12	203	190	164.2	0.9	203	163.7	0.8	203	173.4	0.9	203	188.0	0.9	203	198.6	1.0	6.7%	18.0%
13 - 16	73	64	85.9	1.3	73	99.7	1.4	73	101.8	1.4	73	106.8	1.5	73	113.1	1.5	4.3%	6.5%
17 - 22	-	1	4.1	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 of Water and Sanitation. 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 the country's water resources. The entity is mandated to undertake the construction of new water infrastructure and wastewater treatment infrastructure through the water infrastructure build programme; and the rehabilitation and refurbishment of existing water resources through the dam safety rehabilitation programme. It does this 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			
			2014/15	2015/16		2016/17	2017/18	2018/19	2019/20
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	-1	150	120	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	-1	4.2km	15km	0km	45km	50km
Percentage spent on asset refurbishment and betterment against budget per year	Operations, maintenance and refurbishment of national water resources schemes		88% (642 973/ 730 651)	77% (247 549/ 321 492)	100%	-2	-2	-2	-2
Percentage of planned maintenance projects completed per year per approved asset management project	Operations, maintenance and refurbishment of national water resources schemes		-1	-1	60% (152/255)	90%	90%	90%	90%
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	-1	10% or less	10% or less	10% or less	10% or less
Number of raw water projects completed per year	Financing and investment in raw water infrastructure		1	1	1	0	1	0	1
Total 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	38	43	40	41	45	49	53
Number of dam safety rehabilitation projects completed to meet dam safety regulations per year	Implementation of dam safety projects		3	1	1	1	3	4	4
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		119	98	66	71	71	71	71

1. No historical data available.

2. Indicator discontinued.

### Expenditure analysis

The Water Trading Entity's objectives to manage water resources and develop water infrastructure effectively are directly aligned with outcome 6 (an efficient, competitive and responsive economic infrastructure network) and outcome 10 (protect and enhance our environmental assets and natural resources) of government's 2014-2019 medium-term strategic framework. Over the medium term, the entity will focus on the maintenance and rehabilitation of conveyance systems, the collection of debt and the supply of raw water to relevant stakeholders.

The entity aims to maintain and rehabilitate 110 kilometres of conveyance systems over the medium term by rebuilding the Vlakfontein Canal, and rehabilitating the Boskop, Vaalharts, Ncora, Pongolaspoort, Nzhelele and Lindleyspoort canals; and complete 90 per cent of planned maintenance projects each year over the same

period. As a result, expenditure in the operations, maintenance and refurbishment of national water resources schemes programme is expected to increase from R1.5 billion in 2017/18 to R2 billion in 2020/21, at an average annual rate of 8.3 per cent.

The entity is expected to make payments on behalf of the department to the Trans-Caledon Tunnel Authority to repay debts for completed and new construction projects, such as the acid mine drainage long-term solution, the Lesotho Highlands water project, and phase 2 of the Mokolo and Crocodile River water augmentation project. For construction, maintenance and refurbishment over the medium term, 52.1 per cent (R22.7 billion) of the entity's total budget is provided in the financing and investment in raw water infrastructure programme. Spending in this programme is expected to increase at an average annual rate of 4.7 per cent, from R5.3 billion in 2017/18 to R6.1 billion in 2020/21.

To supply industry, water boards and municipalities with raw water, spending in the bulk water supply to strategic users programme is expected to increase from R1.8 billion in 2017/18 to R2.1 billion in 2020/21, at an average annual rate of 5.6 per cent. The entity will continue to ensure compliance with dam safety regulations by completing an estimated 12 dam safety rehabilitation projects, the main project being raising of the Clanwilliam and Tzaneen dam walls. These projects are projected to lead to spending of R1.1 billion over the medium term, increasing at an average annual rate of 10.6 per cent.

The entity plans to maintain its number of personnel at 3 440 over the medium term, with spending on compensation of employees set to increase from R972.1 million in 2017/18 to R1.2 billion in 2020/21, at an average annual rate of 6.7 per cent.

The entity derives its revenue through transfers from the department and the sale of raw water. Over the medium term, the entity aims to maintain the number of days for the payment and collection of outstanding debt at 100 days. In line with the expected increase in demand for raw water, revenue from the sale of raw water is set to increase from R9.4 billion in 2017/18 to R11.4 billion in 2020/21. The revenue generated over the MTEF period will enable the entity to increase its investment in new and existing raw water infrastructure. Transfers from the department are expected to account for 14.6 per cent (R5.7 billion) of the entity's total projected revenue of R38.9 billion over the medium term.

### Programmes/Objectives/Activities

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

R million	Audited outcome			Revised estimate 2017/18	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	
	2014/15	2015/16	2016/17		2014/15 - 2017/18	2018/19	2019/20	2020/21	2017/18 - 2020/21	Average: Expenditure/ Total (%)	
Administration	440.0	386.5	2 477.5	467.7	2.1%	7.5%	584.6	617.3	648.2	11.5%	5.3%
Implementation of water resources management activities	389.1	383.8	475.2	552.2	12.4%	4.3%	585.4	618.1	649.0	5.5%	5.5%
Operations, maintenance and refurbishment of national water resources schemes	1 380.1	1 270.8	2 311.9	1 537.7	3.7%	15.0%	1 691.4	1 860.6	1 953.6	8.3%	16.1%
Financing and investment in raw water infrastructure	5 562.5	4 457.3	6 842.3	5 290.5	-1.7%	52.2%	5 509.3	5 780.6	6 075.6	4.7%	52.1%
Bulk water supply to strategic users	1 856.8	1 538.1	3 213.4	1 765.0	-1.7%	19.1%	1 872.5	1 977.4	2 076.3	5.6%	17.7%
Implementation of dam safety projects	197.8	170.0	81.5	294.9	14.2%	1.9%	360.2	380.4	399.4	10.6%	3.3%
<b>Total</b>	<b>9 826.2</b>	<b>8 206.6</b>	<b>15 401.7</b>	<b>9 908.0</b>	<b>0.3%</b>	<b>100.0%</b>	<b>10 603.4</b>	<b>11 234.5</b>	<b>11 802.1</b>	<b>6.0%</b>	<b>100.0%</b>

## Statements of historical financial performance and position

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

Statement of financial performance									
	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	Average: Outcome/Budget (%)
R million	2014/15		2015/16		2016/17		2017/18		2014/15 - 2017/18
<b>Revenue</b>									
<b>Non-tax revenue</b>	<b>7 942.5</b>	<b>9 919.2</b>	<b>9 825.9</b>	<b>9 534.8</b>	<b>8 667.9</b>	<b>10 298.3</b>	<b>9 694.2</b>	<b>9 761.1</b>	<b>109.4%</b>
Sale of goods and services other than capital assets	7 882.8	8 965.5	9 730.9	9 061.9	8 606.5	9 592.2	9 579.4	9 646.2	104.1%
<i>of which:</i>									
<i>Sales by market establishment</i>	<i>7 882.8</i>	<i>8 965.5</i>	<i>9 730.9</i>	<i>9 061.9</i>	<i>8 606.5</i>	<i>9 592.2</i>	<i>9 579.4</i>	<i>9 646.2</i>	<i>104.1%</i>
<i>Sales of water</i>	<i>7 668.7</i>	<i>8 098.0</i>	<i>8 729.8</i>	<i>8 598.9</i>	<i>8 370.8</i>	<i>9 170.6</i>	<i>9 431.1</i>	<i>9 431.1</i>	<i>103.2%</i>
<i>Construction revenue</i>	<i>202.2</i>	<i>853.8</i>	<i>988.6</i>	<i>449.9</i>	<i>221.9</i>	<i>409.4</i>	<i>133.2</i>	<i>200.0</i>	<i>123.7%</i>
<i>Lease revenue earned</i>	<i>11.9</i>	<i>13.6</i>	<i>12.5</i>	<i>13.2</i>	<i>13.8</i>	<i>12.2</i>	<i>15.1</i>	<i>15.1</i>	<i>101.6%</i>
Other non-tax revenue	59.7	953.8	94.9	472.8	61.4	706.1	114.9	114.9	679.1%
<b>Transfers received</b>	<b>2 410.7</b>	<b>2 399.3</b>	<b>1 735.1</b>	<b>1 522.0</b>	<b>1 499.5</b>	<b>1 499.5</b>	<b>1 236.7</b>	<b>1 651.7</b>	<b>102.8%</b>
<b>Total revenue</b>	<b>10 353.2</b>	<b>12 318.5</b>	<b>11 561.0</b>	<b>11 056.8</b>	<b>10 167.5</b>	<b>11 797.9</b>	<b>10 931.0</b>	<b>11 412.7</b>	<b>108.3%</b>
<b>Expenses</b>									
<b>Current expenses</b>	<b>7 838.9</b>	<b>9 826.2</b>	<b>7 954.4</b>	<b>8 206.6</b>	<b>9 194.8</b>	<b>15 401.7</b>	<b>9 908.0</b>	<b>9 908.0</b>	<b>124.2%</b>
Compensation of employees	944.4	697.3	979.3	804.7	908.5	924.4	972.1	972.1	89.3%
Goods and services	2 683.4	4 764.3	2 699.3	4 741.3	5 763.2	7 958.4	6 256.3	6 256.3	136.3%
Depreciation	2 463.1	2 032.1	2 554.4	1 913.0	2 071.0	1 884.7	2 199.4	2 199.4	86.4%
Interest, dividends and rent on land	1 748.0	2 332.5	1 721.3	747.5	452.1	4 634.2	480.1	480.1	186.2%
<b>Total expenses</b>	<b>7 838.9</b>	<b>9 826.2</b>	<b>7 954.4</b>	<b>8 206.6</b>	<b>9 194.8</b>	<b>15 401.7</b>	<b>9 908.0</b>	<b>9 908.0</b>	<b>124.2%</b>
<b>Surplus/(Deficit)</b>	<b>2 514.0</b>	<b>2 492.0</b>	<b>3 607.0</b>	<b>2 850.0</b>	<b>973.0</b>	<b>(3 604.0)</b>	<b>1 023.0</b>	<b>1 505.0</b>	
<b>Statement of financial position</b>									
Carrying value of assets	103 681.9	89 625.1	91 920.7	93 473.9	95 275.7	94 532.1	96 784.4	96 784.4	96.6%
<i>of which:</i>									
<i>Acquisition of assets</i>	<i>(2 599.5)</i>	<i>(1 302.5)</i>	<i>(2 610.2)</i>	<i>(2 409.3)</i>	<i>(1 950.2)</i>	<i>(1 563.5)</i>	<i>(1 899.2)</i>	<i>(1 899.2)</i>	<i>79.2%</i>
Inventory	194.4	120.0	126.9	148.0	134.3	158.8	120.8	120.8	95.0%
Receivables and prepayments	2 599.9	5 663.3	4 721.6	6 380.8	5 083.7	5 885.2	4 159.9	4 159.9	133.3%
Cash and cash equivalents	1 720.1	1 545.9	2 346.6	42.9	138.9	0.2	538.9	538.9	44.9%
<b>Total assets</b>	<b>108 196.2</b>	<b>96 954.3</b>	<b>99 115.8</b>	<b>100 045.6</b>	<b>100 632.6</b>	<b>100 576.3</b>	<b>101 603.9</b>	<b>101 603.9</b>	<b>97.5%</b>
Accumulated surplus/(deficit)	72 436.9	68 413.1	69 245.9	71 960.4	71 294.5	71 294.5	69 686.8	69 686.8	99.5%
Capital and reserves	314.9	345.3	330.3	362.6	326.3	326.3	313.0	313.0	104.9%
Borrowings	34 579.1	26 715.3	28 631.8	26 334.2	27 873.8	26 788.6	30 667.4	30 667.4	90.8%
Finance lease	16.2	50.6	17.0	50.9	48.7	4.7	46.8	46.8	119.0%
Trade and other payables	668.6	1 254.2	701.3	1 174.9	914.4	1 947.5	701.6	701.6	170.1%
Provisions	180.6	175.7	189.5	162.6	175.0	214.6	188.3	188.3	101.1%
<b>Total equity and liabilities</b>	<b>108 196.2</b>	<b>96 954.3</b>	<b>99 115.8</b>	<b>100 045.6</b>	<b>100 632.6</b>	<b>100 576.3</b>	<b>101 603.9</b>	<b>101 603.9</b>	<b>97.5%</b>

## Statements of estimates of financial performance and position

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

Statement of financial performance									
	Revised estimate	Average growth rate (%)	Average: Expenditure/Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/Total (%)	
R million	2017/18	2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21		
<b>Revenue</b>									
<b>Non-tax revenue</b>	<b>9 761.1</b>	<b>-0.5%</b>	<b>84.9%</b>	<b>10 606.0</b>	<b>11 042.7</b>	<b>11 594.9</b>	<b>5.9%</b>	<b>85.4%</b>	
Sale of goods and services other than capital assets	9 646.2	2.5%	80.1%	10 479.6	10 903.7	11 448.9	5.9%	84.4%	
<i>of which:</i>									
<i>Sales by market establishment</i>	<i>9 646.2</i>	<i>2.5%</i>	<i>80.1%</i>	<i>10 479.6</i>	<i>10 903.7</i>	<i>11 448.9</i>	<i>5.9%</i>	<i>84.4%</i>	
<i>Sales of water</i>	<i>9 431.1</i>	<i>5.2%</i>	<i>76.0%</i>	<i>10 374.2</i>	<i>10 841.0</i>	<i>11 383.1</i>	<i>6.5%</i>	<i>83.5%</i>	
<i>Construction revenue</i>	<i>200.0</i>	<i>-38.4%</i>	<i>4.1%</i>	<i>88.8</i>	<i>44.4</i>	<i>46.6</i>	<i>-38.5%</i>	<i>0.8%</i>	
<i>Lease revenue earned</i>	<i>15.1</i>	<i>3.6%</i>	<i>0.1%</i>	<i>16.6</i>	<i>18.3</i>	<i>19.2</i>	<i>8.3%</i>	<i>0.1%</i>	
Other non-tax revenue	114.9	-50.6%	4.8%	126.4	139.0	146.0	8.3%	1.0%	
<b>Transfers received</b>	<b>1 651.7</b>	<b>-11.7%</b>	<b>15.1%</b>	<b>1 792.1</b>	<b>1 892.0</b>	<b>1 996.0</b>	<b>6.5%</b>	<b>14.6%</b>	
<b>Total revenue</b>	<b>11 412.7</b>	<b>-2.5%</b>	<b>100.0%</b>	<b>12 398.1</b>	<b>12 934.7</b>	<b>13 590.9</b>	<b>6.0%</b>	<b>100.0%</b>	
<b>Expenses</b>									
<b>Current expenses</b>	<b>9 908.0</b>	<b>0.3%</b>	<b>100.0%</b>	<b>10 603.4</b>	<b>11 234.5</b>	<b>11 802.1</b>	<b>6.0%</b>	<b>100.0%</b>	
Compensation of employees	972.1	11.7%	8.2%	1 040.0	1 118.9	1 180.8	6.7%	9.9%	
Goods and services	6 256.3	9.5%	55.3%	6 647.8	6 933.4	7 280.0	5.2%	62.3%	
Depreciation	2 199.4	2.7%	19.6%	2 359.2	2 508.6	2 634.0	6.2%	22.3%	
Interest, dividends and rent on land	480.1	-41.0%	16.9%	556.4	673.5	707.2	13.8%	5.5%	
<b>Total expenses</b>	<b>9 908.0</b>	<b>0.3%</b>	<b>100.0%</b>	<b>10 603.4</b>	<b>11 234.5</b>	<b>11 802.1</b>	<b>6.0%</b>	<b>100.0%</b>	
<b>Surplus/(Deficit)</b>	<b>1 505.0</b>			<b>1 795.0</b>	<b>1 700.0</b>	<b>1 789.0</b>			

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

Statement of financial position	Revised estimate	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
				2018/19	2019/20	2020/21		
R million	2017/18	2014/15 - 2017/18		2018/19	2019/20	2020/21	2017/18 - 2020/21	
Carrying value of assets	96 784.4	2.6%	93.8%	100 765.8	105 076.0	110 329.8	4.5%	95.7%
of which:								
Acquisition of assets	(1 899.2)	13.4%	-1.8%	(2 089.1)	(2 298.1)	(2 413.0)	8.3%	-2.0%
Inventory	120.8	0.2%	0.1%	108.8	97.9	102.8	-5.3%	0.1%
Receivables and prepayments	4 159.9	-9.8%	5.5%	3 369.5	3 032.5	3 184.2	-8.5%	3.2%
Cash and cash equivalents	538.9	-29.6%	0.5%	895.8	1 384.3	1 453.5	39.2%	1.0%
<b>Total assets</b>	<b>101 603.9</b>	<b>1.6%</b>	<b>100.0%</b>	<b>105 139.8</b>	<b>109 590.8</b>	<b>115 070.3</b>	<b>4.2%</b>	<b>100.0%</b>
Accumulated surplus/(deficit)	69 686.8	0.6%	70.5%	70 334.1	77 720.6	81 884.2	5.5%	69.4%
Capital and reserves	313.0	-3.2%	0.3%	281.7	264.3	-	-100.0%	0.2%
Borrowings	30 667.4	4.7%	27.7%	33 593.2	30 696.5	32 231.3	1.7%	29.5%
Finance lease	46.8	-2.6%	0.0%	46.3	41.6	43.7	-2.2%	0.0%
Trade and other payables	701.6	-17.6%	1.3%	666.5	633.2	664.8	-1.8%	0.6%
Provisions	188.3	2.3%	0.2%	218.0	234.6	246.3	9.4%	0.2%
<b>Total equity and liabilities</b>	<b>101 603.9</b>	<b>1.6%</b>	<b>100.0%</b>	<b>105 139.8</b>	<b>109 590.8</b>	<b>115 070.3</b>	<b>4.2%</b>	<b>100.0%</b>

### Personnel information

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

Number of posts estimated for 31 March 2018	Number and cost <sup>1</sup> 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 (%)			
2016/17			2017/18		2018/19		2019/20		2020/21		2017/18 - 2020/21								
		Unit		Unit		Unit		Unit		Unit									
		Number	Cost cost	Number	Cost cost	Number	Cost cost	Number	Cost cost	Number	Cost cost	Number	Cost cost						
<b>Water Trading Entity</b>																			
<b>Salary level</b>	4 292	4 292	3 440	924.4	0.3	3 440	972.1	0.3	3 440	1 040.0	0.3	3 440	1 118.9	0.3	3 440	1 180.8	0.3	6.7%	100.0%
1 – 6	2 606	2 606	2 054	312.0	0.2	2 054	326.0	0.2	2 054	348.8	0.2	2 054	375.3	0.2	2 054	396.0	0.2	6.7%	59.7%
7 – 10	1 560	1 560	1 274	488.5	0.4	1 274	516.0	0.4	1 274	552.0	0.4	1 274	593.8	0.5	1 274	626.8	0.5	6.7%	37.0%
11 – 12	120	120	106	115.8	1.1	106	121.6	1.1	106	130.1	1.2	106	140.0	1.3	106	147.7	1.4	6.7%	3.1%
13 – 16	6	6	6	8.0	1.3	6	8.5	1.4	6	9.1	1.5	6	9.8	1.6	6	10.3	1.7	6.7%	0.2%

1. Rand million.

### Other entities

Comprehensive coverage of the following public entities is provided with more detailed information for the vote at [www.treasury.gov.za](http://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 2018/19 is estimated to be R65.8 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 2018/19 is estimated to be R123.5 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 2018/19 is R326 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		
				2014/15	2015/16	2016/17		2018/19	2019/20	2020/21
<b>Departmental infrastructure</b>										
<b>Mega projects (total project cost of at least R1 billion over the project life cycle)</b>										
R million										
(Jozini) Pongolapoort bulk water scheme (Pipeline)	Construction of new bulk water scheme	Construction	1 376.0	359.9	290.0	95.3	114.0	30.0	–	–
Sedibeng bulk regional sewerage	Construction of new wastewater treatment works	Feasibility	3 000.0	–	26.9	44.1	21.8	67.6	197.8	152.0
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	139.9	7.1	23.0	–	15.0	–	–
Mogalakwena bulk water supply phase 1	Upgrade of boreholes and construction of new bulk water scheme	Construction	1 650.0	180.4	252.8	161.1	145.0	70.0	183.6	195.0
Sebokeng Waste Treatment Works phase 1 and phase 2	Upgrade of existing wastewater treatment works	Construction	1 123.6	93.7	99.8	166.3	121.0	165.4	100.9	250.0
Westonaria/Randfontein regional bulk wastewater treatment works (Zuurbekom)	Construction of new wastewater treatment works	Design	1 570.0	35.6	7.1	1.3	49.8	–	190.9	160.0
Moolihoe/Tubatse bulk water supply	Augmentation of existing bulk water scheme	Construction	1 000.0	7.0	73.1	143.0	95.0	70.0	120.0	–
Nebo bulk water supply	Construction of new bulk water scheme	Construction	1 400.0	41.9	38.4	31.2	50.0	100.0	90.0	95.0
Magalies water supply to Waterberg	Construction of new bulk water scheme	Feasibility	1 891.0	0.7	–	–	2.2	–	–	–
Giyani Water Services phase 2 (Emergency)	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	2 511.4	–	799.8	912.6	540.5	104.1	–	–
Thembišile water scheme (Loskop) phase 1 of 3	Construction of new bulk water scheme	Construction	1 500.0	–	–	–	18.0	–	–	–
OR Tambo Mthatha King Sabata Dalindyebo district municipality bulk water supply and sanitation	Augmentation of existing bulk water scheme	Construction	22 156.8	317.8	457.5	–	–	–	–	–
Vaal Gamagara scheme	Upgrading of existing bulk water scheme	Construction	200.0	40.0	53.8	–	–	–	–	–
Polokwane wastewater treatment works	Upgrading existing wastewater treatment works	Construction	1 043.8	1.1	–	–	–	–	–	–
Umgeni Water Board: Lower Thukela bulk water supply scheme	Construction of new bulk water scheme	Construction	1 044.0	185.0	279.1	–	–	–	–	–
<b>Large projects (total project cost of at least R250 million but less than R1 billion over the project life cycle)</b>										
Miatoks bulk water supply	Construction of new bulk water scheme	Feasibility	880.0	0.6	–	–	1.5	–	–	–
Ndlambe bulk water supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	879.0	38.2	79.6	119.9	25.0	5.0	–	–
Xhora east bulk water supply	Construction of new bulk water scheme	Construction	620.2	50.4	70.6	33.0	48.4	70.0	3.2	1.0
Meyerton wastewater treatment works phase 1	Upgrade of existing wastewater treatment works	Construction	257.5	–	41.4	40.9	35.8	41.9	7.0	105.0
Mbizana regional bulk water supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	910.8	88.9	13.4	0.9	–	–	–	–
Westonaria/Randfontein regional bulk wastewater treatment works (Hannes van Niekerk)	Upgrade of existing wastewater treatment works	Handed over	266.0	–	–	–	–	–	–	–
Western highveld regional bulk water supply	Upgrade of existing bulk water scheme	Construction	486.0	–	21.9	–	–	–	–	–
Lebalalo central and North regional water supply	Construction of new bulk water scheme	Feasibility	600.0	–	–	–	4.0	–	–	–
Nzhelele Valley bulk water supply	Construction of new bulk water scheme	Feasibility	600.0	0.2	–	–	1.5	–	–	–
Madibeng bulk water supply phase 2	Upgrade of existing bulk water scheme	Construction	446.6	41.0	53.1	76.2	50.0	80.0	70.0	135.0

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		
				2014/15	2015/16	2016/17		2018/19	2019/20	2020/21
R million				36.6	–	–	–	–	–	–
Upgrading of the Homevale wastewater treatment plant (Sol Plaatje wastewater treatment works)	Upgrade of existing wastewater treatment works	Construction	298.0	–	–	–	–	–	–	–
Nketoana bulk water supply Phase 1	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	304.0	22.9	34.0	19.6	28.0	20.0	10.0	45.0
Sterkfontein Dam scheme (phase 1)	Construction of new bulk water scheme	Construction	330.0	–	–	–	–	–	–	–
Potchefstroom water treatment works upgrade	Upgrade of existing water treatment works and construction of new bulk water scheme	Feasibility	400.0	7.6	–	–	6.9	12.4	50.0	–
Sinthumule Kutama bulk water augmentation phase 3	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	751.6	97.6	25.2	10.2	20.0	120.0	60.0	80.0
Moutse bulk water supply phase 1-5	Upgrade of existing water treatment works and construction of new bulk water scheme	Construction	720.0	31.3	31.3	23.3	60.0	60.0	50.0	65.0
Glen Alpine bulk water supply	Construction of new bulk water scheme	Feasibility	345.0	0.5	–	–	1.5	–	–	–
Lephalele/Eskom: Bulk water augmentation	Augmentation of existing bulk water scheme	Feasibility	330.0	1.2	–	–	2.0	–	–	–
Moretele bulk water supply phase 1 (Klipdrift)	Construction of new bulk water scheme	Construction	640.6	24.9	117.4	60.0	25.0	18.0	–	–
Bitou cross border bulk water supply	Construction of new bulk sewage conveyance pipelines	Feasibility	250.0	1.9	–	–	–	–	–	–
West Coast desalination plant	Construction of new desalination plant	Design	563.2	10.0	–	–	–	–	5.0	1.0
Mincwasa bulk water supply	Construction of new bulk water scheme	Handed over	264.2	30.5	16.2	–	–	–	–	–
Kalahari East to Mier pipeline	Supply of water	Construction	468.1	2.8	134.1	23.3	1.7	–	–	–
Emalahleni bulk water supply phase 2	Upgrade of existing water treatment works and construction of new bulk water scheme	Feasibility	335.6	–	–	–	1.7	–	–	–
Ohrigstad bulk water supply	Upgrade of existing bulk water scheme	Feasibility	450.0	0.1	–	–	–	–	–	–
Northern Nzikazi bulk water supply phase 1	Construction of new bulk water scheme	Construction	367.3	–	46.3	120.1	65.8	14.0	30.0	70.0
Aganang bulk water supply	Upgrade of existing bulk water scheme	Design	350.0	–	–	–	15.0	–	70.0	85.0
Sundwana water supply	Construction of new bulk water scheme	Feasibility	591.0	–	–	–	4.0	–	–	25.0
Mpumalanga Lowveld feasibility studies	Construction of new bulk water scheme	Feasibility	800.0	–	–	–	1.5	–	–	–
Ngwathe bulk sewer phase 2	Upgrade of existing waste water treatment works	Construction	300.0	4.9	19.8	3.6	4.9	10.0	25.0	20.0
Dihlabeng bulk water supply phase 2	Construction of new bulk water scheme	Construction	255.0	17.2	36.1	39.5	9.6	5.0	20.0	23.0
Dukuuku resettlement bulk water supply	Construction of new bulk water scheme	Construction	350.0	26.8	15.0	9.2	1.0	–	–	–
Giyani bulk water supply relief phase 1 (Nandoni Nsami)	Construction of new bulk water scheme	Construction	589.9	1.0	–	102.6	106.0	130.0	–	–
Mametya Sekororo bulk water supply phase 1	Construction of new bulk water scheme	Construction	310.7	18.9	24.2	33.4	30.0	50.0	70.0	79.9
Tokologo regional water supply phase 2	Upgrade of bulk water scheme	Construction	320.0	7.9	20.0	96.1	80.0	50.0	71.0	80.0
Muskaligwa regional water supply scheme (phase 1)	Construction of new bulk water scheme	Design	407.0	5.5	–	6.9	–	–	–	–
Emalahleni water treatment works (refurbishment)	Upgrade of existing water treatment works and construction of new bulk water scheme	Construction	335.6	29.1	24.8	1.2	–	–	–	–
Mafikeng South bulk water supply phase 2 (upgrade of water treatment works)	Construction of new bulk water scheme	Construction	286.6	30.1	31.5	35.1	41.0	53.0	58.3	40.0
Mathabeng bulk sewer (Welkom)	Upgrade of existing water treatment works and construction of new bulk water scheme	Feasibility	420.0	–	–	1.1	5.0	10.0	40.0	100.0
Thembeile water scheme (Loskop)	Construction of new bulk water scheme	Feasibility	324.4	–	4.2	–	–	–	–	–



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		
				2014/15	2015/16	2016/17		2018/19	2019/20	2020/21
R million										
Western Highveld bulk water supply scheme (Rust de Winter)	Construction of new bulk water scheme	Feasibility	643.0	41.1	-	4.2	4.0	-	10.0	33.4
Welbedacht pipeline	Construction of new bulk water scheme	Tender	500.0	-	-	17.1	88.0	114.6	154.8	90.6
Bambanana pipeline	Construction of new bulk water scheme	Feasibility	-	-	-	-	-	48.9	139.0	249.6
Mooihoek/Tubatse bulk water supply	Augmentation of existing bulk water scheme	Construction	714.0	-	143.0	-	-	-	-	-
Nebo bulk water supply	Construction of new bulk water scheme	Construction	978.4	-	-	31.2	-	-	-	-
Nooitgeagat bulk water supply	Construction of new bulk water scheme	Construction	390.3	-	-	-	82.0	117.4	218.0	151.4
Driekoppies bulk water supply upgrades	Construction of new bulk water scheme	Construction	397.6	-	-	-	11.5	50.3	71.9	70.0
Nggamakwe water supply	Upgrade of existing wastewater treatment works	Construction	370.0	-	-	-	28.0	-	-	-
Kamaland Dam relocation	Augmentation of existing bulk water scheme	Construction	300.0	-	-	0.2	5.9	15.0	20.0	15.0
Masilonyana bulk water supply phase 1	Upgrade of existing bulk water scheme	Construction	304.9	-	-	-	-	15.0	70.0	100.0
Butterworth Emergency	Upgrade of existing bulk water scheme	Tender	250.0	-	-	-	200.0	10.0	-	-
Sedibeng bulk regional sewerage scheme: Sebokeng and Meyerton wastewater treatment works	Upgrading existing wastewater treatment works	Construction	856.0	93.7	141.2	-	-	-	-	-
Greater Mthonjaneni phases 1 to 3 bulk water supply	Construction of new bulk water scheme	Construction	668.5	48.8	222.1	-	-	-	-	-
Ngebo regional bulk water supply (ilembe)	Construction of new bulk water scheme	Construction	682.0	53.9	106.2	-	-	-	-	-
Namakwa bulk water supply	Upgrading of existing bulk water scheme	Construction	648.3	103.5	149.7	-	-	-	-	-
Taung/Naledi bulk water supply	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	839.3	111.9	63.7	-	-	-	-	-
Greater Mamusa bulk water supply	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	444.3	19.9	46.8	-	-	-	-	-
Planesberg north and south bulk water supply	Upgrading of existing bulk water scheme and construction of new bulk water scheme.	Construction	755.7	69.7	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	84.0	72.6	-	-	-	-	-
Chris Hani district municipality: Ngcobco cluster 6	Construction of new bulk water scheme and spring protection	Construction	321.7	63.4	48.0	-	-	-	-	-
Xonxa Dam water supply to Lukhanji	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	444.0	95.7	68.3	-	-	-	-	-
Amatola Water: Refurbishment of 6 existing plants and downstream infrastructure	Upgrading of existing bulk water scheme	Feasibility	500.0	150.0	163.1	-	-	-	-	-
Mhlabatshane bulk water supply	Construction of new bulk water scheme	Construction	273.6	52.2	8.8	-	-	-	-	-
Greytown regional bulk scheme	Construction of new bulk water scheme and upgrading of existing bulk water scheme	Construction	610.6	37.8	93.6	-	-	-	-	-
Greater Bulwer Donnybrook water scheme	Upgrading of existing water treatment works	Construction	343.3	33.4	14.0	-	-	-	-	-
Kagisano Molopo bulk water supply	Upgrading of existing water treatment works and new bulk water scheme	Feasibility	350.0	2.9	18.0	-	-	-	-	-
Nongoma bulk water supply	Construction of new bulk water scheme	Construction	529.1	31.1	-	-	-	-	-	-
Ngwathe bulk water supply (phase 2)	Construction of new bulk water scheme	Construction	160.0	2.9	6.8	-	-	-	-	-
Driefontein Indaka bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	326.3	66.7	20.8	-	-	-	-	-

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		
				2014/15	2015/16	2016/17		2018/19	2019/20	2020/21
R million										
Masilonyana bulk water supply	Upgrading of existing bulk water scheme	Design	304.9	45.8	41.9	-	-	-	-	
Emaahlani Water Treatment Works (refurbishment)	Upgrading of existing water treatment works and construction of new bulk water scheme	Construction	335.6	29.1	24.8	-	-	-	-	
Balf/Siyat/Grey/Willem/Nthor bulk water supply	Construction of new bulk water scheme	Various	531.6	7.9	7.7	-	-	-	-	
Setseto bulk water supply	Construction of new bulk water scheme	Construction	147.6	13.5	40.6	-	-	-	-	
Phumelela bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	166.0	10.0	5.8	-	-	-	-	
<b>Small projects (total project cost of less than R250 million over the project life cycle)</b>										
Graaff-Reinet emergency water supply scheme	Upgrade of existing bulk water scheme	Construction	50.8	0.6	2.2	17.9	24.0	5.0	3.5	2.0
Sundays River bulk water supply (Paterson )	Upgrade of existing water treatment works and construction of new bulk water scheme	Construction	106.5	6.6	8.9	2.0	2.3	9.0	-	-
Steytlerville water supply scheme	Augmentation of existing bulk water scheme	Construction	111.3	20.0	32.1	22.0	0.2	-	-	-
Ibika water supply	Construction of new bulk water scheme	Handed over	64.8	-	9.0	-	-	-	-	-
Ikwezi bulk water supply	Upgrade of existing bulk water scheme	Feasibility	50.6	2.7	0.5	3.4	0.5	5.0	2.0	15.0
Kirkwood water treatment works	Upgrade of existing bulk water scheme	Feasibility	22.2	1.0	1.1	1.9	0.5	5.0	2.0	20.0
Misgund bulk water supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Feasibility	13.6	0.4	0.4	1.6	0.5	10.0	1.0	15.0
Matatiele bulk water supply	Construction of new bulk water scheme	Construction	182.3	24.8	25.8	20.2	16.0	2.0	-	-
Mount Ayliff bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Handed over	208.8	14.4	3.3	-	-	-	-	-
Jagersfontein/Fauresmith: Bulk water supply phase 2	Construction of new bulk water scheme	Construction	60.7	7.7	6.0	2.3	2.0	2.0	-	-
Phumelela bulk water supply phase 2	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	166.0	10.0	5.8	24.7	38.0	33.0	20.0	10.0
Mooqaka bulk water supply (Streyrus Kroonstad WTW) phase 1	Construction of new bulk water scheme	Construction	90.4	8.8	32.9	9.7	17.0	2.0	10.0	-
Mooqaka bulk sewer	Construction of bulk sewer	Construction	105.0	11.1	30.6	6.4	-	-	-	-
Nala bulk sewer (Wesselsbron/Monyakeng)	Construction of bulk sewer	Feasibility	46.0	13.7	23.0	5.3	-	-	-	-
Tswelopele bulk water supply phase 1	Construction of new bulk water scheme	Construction	85.0	-	10.1	20.3	23.0	20.0	20.0	-
Ratlou bulk water supply phase 1 (Setlagole)	Upgrade of existing water treatment works and construction of new bulk water scheme	Construction	218.1	4.7	16.0	30.9	35.0	50.0	40.0	40.0
Maluti-a-Phofung bulk water supply phase 2	Construction of new bulk water scheme	Construction	240.0	34.7	34.9	26.3	46.0	30.0	40.0	30.0
Greater Eston water scheme	Construction of new bulk water scheme	Handed over	192.0	31.8	-	-	-	-	-	-
Driefontein Complex bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Handed over	196.1	14.3	-	-	-	-	-	-
Emaadlangeni bulk regional scheme	Construction of new bulk water scheme	Handed over	50.3	8.5	-	-	-	-	-	-
Hiabisa regional bulk water supply	Construction of new bulk water scheme	Handed over	166.9	38.7	8.0	-	-	-	-	-
Port Nolloth bulk water supply	Construction of new bulk water scheme	Design	44.1	1.1	-	-	-	10.0	21.8	25.0
Collesberg bulk water supply	Construction of new bulk water scheme	Design	123.8	6.9	1.3	-	-	-	-	-
Noupoort bulk water supply	Construction of new bulk water scheme	Construction	77.7	15.4	40.6	7.2	-	-	-	-
De Aar bulk water supply	Upgrade of existing bulk water scheme	Design	43.7	0.1	-	-	-	15.0	6.8	5.0
Hopetown water treatment works bulk water supply (Thembellihle)	Upgrade of existing bulk water scheme	Handed over	75.0	1.5	-	-	-	-	-	-

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		
				2014/15	2015/16	2016/17		2018/19	2019/20	2020/21
R million										
Strydenburg groundwater project	Provision of groundwater development	Handed over	21.0	3.3	8.3	-	-	-	-	-
Heuningvlei scheme bulk water supply	Construction of new bulk water scheme	Handed over	142.3	5.6	9.0	-	-	-	-	-
Kuruman bulk water supply phase 1 (reservoir)	Upgrade of existing bulk water scheme	Construction	186.9	22.9	15.6	12.2	-	-	-	-
Windsonton to Holpan bulk water supply phase 1 (pipeline)	Upgrade of existing bulk water scheme	Tender	43.9	-	3.5	16.3	13.7	5.0	-	-
Nooitgedagt bulk water supply	Construction of new bulk water scheme	Design	200.0	-	-	-	82.0	-	-	-
Niekerkshoop bulk water supply	Supply of water	Handed over	11.1	0.5	-	-	-	-	-	-
Mafube bulk sewer phase 1	Construction of new bulk water scheme	Construction	126.0	6.2	47.0	13.3	8.0	10.0	20.0	30.0
Pixley ka Seme bulk water supply	Upgrade of existing groundwater water scheme	Feasibility	40.0	0.8	-	-	-	-	-	-
Marydale bulk water supply	Upgrade of existing water treatment works and construction of new bulk water scheme	Feasibility	11.2	-	0.9	-	5.6	-	-	-
Uppington wastewater treatment works	Construction of a new wastewater treatment works in Uppington	Feasibility	15.7	-	-	-	15.0	20.0	31.4	25.0
Kakamas wastewater treatment works	Construction of new wastewater treatment works	Feasibility	50.0	0.2	0.3	-	0.8	-	10.0	12.1
Warrenton water treatment works	Upgrade of existing water treatment works and new bulk water scheme	Feasibility	30.6	3.0	-	0.8	8.6	10.1	-	-
Gariep Dam to Norvaltspand bulk water supply	Construction of new bulk water scheme	Construction	15.1	0.6	-	2.4	-	-	-	-
Vanderkloof/Renossterberg bulk water supply phase 1	Construction of new bulk water scheme	Construction	32.1	5.4	20.0	1.4	-	-	-	-
Driekoppies bulk water supply upgrades	Construction of new bulk water scheme	Design	93.0	-	0.3	-	-	-	-	-
Acornhoek bulk water supply	Augmentation of existing bulk water scheme	Handed over	191.7	4.1	-	-	-	-	-	-
Sibange bulk water supply phase 1	Construction of new bulk water scheme	Design	108.7	-	0.5	-	8.5	50.0	50.0	4.0
Thaba Chweu groundwater development	Provision of groundwater development	Construction	8.5	-	-	-	-	-	-	-
Hoxane bulk water supply	Upgrade of existing water treatment works and construction of new bulk water scheme	Design	128.3	0.5	31.3	68.4	21.6	7.0	-	-
Wolmaranstad wastewater treatment works	Upgrade of existing wastewater treatment works	Construction	137.8	14.3	66.0	50.1	15.0	-	-	-
Niggamakwe water supply	Upgrade of existing wastewater treatment works	Feasibility	60.0	1.8	-	-	-	2.7	20.0	30.0
Worcester bulk water supply	Construction of new bulk water scheme	Construction	190.6	13.2	-	-	-	-	-	-
Grabouw wastewater treatment works	Upgrade of existing wastewater treatment works	Construction	61.6	5.4	2.2	-	-	-	-	-
Swellendam wastewater treatment works	Upgrade of existing wastewater treatment works	Handed over	61.2	13.1	-	-	-	-	-	-
Oudtshoorn groundwater supply	Provision of groundwater development	Feasibility	190.0	10.1	11.0	-	-	15.0	30.0	20.0
Beaufort West bulk water supply	Upgrade of existing wastewater treatment works and construction of new wastewater treatment works	Feasibility	46.3	-	-	-	-	-	5.0	15.0
Vanrhynsdorp raw water supply	Augmentation of existing bulk water scheme	Design	83.2	-	-	-	-	5.0	5.0	14.0
Klawer bulk water supply	Augmentation of existing bulk water scheme from boreholes	Design	25.7	-	-	-	-	4.9	10.0	15.0
Paarl bulk sewer phase 3	Construction of new bulk sewerage conveyance pipelines	Construction	207.8	19.4	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		
				2014/15	2015/16	2016/17		2018/19	2019/20	2020/21
R million										
Free State Region	Upgrade of existing wastewater treatment works	Feasibility	77.5	3.0	0.7	4.1	-	10.0	27.0	30.0
Kamaland Dam relocation	Augmentation of existing bulk water scheme	Feasibility	72.9	11.6	-	0.2	-	-	-	15.0
Moretele bulk water supply (North)	Augmentation of existing bulk water scheme	Feasibility	100.0	-	32.6	-	18.4	-	30.0	36.4
Makana bulk water supply (James Kleynhans)	Augmentation of existing bulk water scheme	Design	66.0	1.6	3.5	8.4	9.9	20.0	25.0	20.0
Ntabankulu bulk water supply	Construction of new bulk water scheme	Feasibility	245.0	1.7	-	-	1.7	-	-	30.0
Capricorn master plan	Development of master plan	Master plan	3.1	0.3	-	-	-	-	-	-
Sekhukhune master plan	Development of master plan	Master plan	3.1	0.4	-	-	-	-	-	-
Bushbuckridge master plan	Development of master plan	Master plan	3.5	1.2	-	-	-	-	-	-
Upgrade of Delmas wastewater treatment works phase 2	Upgrade of existing wastewater treatment works	Design	75.7	-	13.3	-	19.8	15.0	30.0	-
Upgrade of Botleng wastewater treatment works	Upgrade of existing wastewater treatment works	Construction	57.7	-	18.5	9.3	2.0	-	-	-
Upgrade of Balfour wastewater treatment works phase 2	Upgrade of existing wastewater treatment works	Tender	21.3	-	21.3	-	-	-	-	-
Belmont wastewater treatment works	Upgrade of existing wastewater treatment works	Feasibility	142.0	-	-	-	4.0	2.5	15.0	-
Makana bulk sewer	Upgrade of existing wastewater treatment works	Feasibility	15.0	-	-	-	9.9	2.5	-	-
Mayfield wastewater treatment works	Upgrade of existing wastewater treatment works	Feasibility	72.5	-	-	2.5	4.0	2.5	8.0	-
Kinira regional bulk water supply	Construction of new bulk water scheme	Feasibility	34.5	-	-	-	0.2	-	-	20.0
Mount Ayliff bulk peri-urban water supply	Construction of new bulk water scheme	Feasibility	187.4	-	2.5	49.4	19.2	65.0	35.0	25.0
Mikemane regional bulk water supply	Construction of new bulk water scheme	Feasibility	52.0	-	-	-	1.0	-	-	23.0
Trompsburg bulk sewer	Upgrade of existing wastewater treatment works	Feasibility	76.0	-	-	-	-	-	-	-
Upgrading of Deneysville wastewater treatment works	Upgrade of existing wastewater treatment works	Feasibility	150.0	-	139.9	9.3	38.0	40.0	50.0	42.0
Masilonyana bulk sewer (Brandfort and Winburg)	Upgrade of existing wastewater treatment works	Feasibility	70.0	-	-	-	3.0	-	-	-
Mantsopa bulk sewer (Ladybrand)	Upgrade of existing wastewater treatment works	Feasibility	30.0	-	20.7	-	2.0	-	-	-
Rothdene pump station and raising main	Upgrade of existing wastewater treatment works	Feasibility	37.4	-	0.0	-	16.0	17.9	-	-
Mohlakeng pump station and sewer outfall	Upgrade of existing wastewater treatment works	Feasibility	70.0	-	5.9	0.8	18.6	35.4	147.5	1.9
Koster wastewater treatment works upgrade	Upgrade of existing wastewater treatment works	Design	115.2	8.0	9.3	19.8	35.0	50.0	-	-
Ventersdorp bulk water supply	Construction of new bulk water scheme	Construction	55.0	5.9	-	-	1.3	-	-	-
Nebo bulk water supply (De Hoop	Construction of new bulk water scheme	Design	150.2	-	-	-	4.0	-	-	-
Augmentation/North/South/Steelport)	Construction of new bulk water scheme	Design	150.2	-	-	-	4.0	-	-	-
Douglas water treatment works upgrading	Upgrade of existing water treatment works	Design	14.8	-	0.8	-	0.8	12.0	15.0	12.0
Ernelo bulk water supply (phase 2)	Construction of new bulk water scheme	Construction	46.9	16.4	7.6	-	-	-	-	-
Carolina Silobela bulk water scheme	Construction of new bulk water scheme	Feasibility	200.0	0.2	189.0	-	-	-	-	-

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	
				2014/15	2015/16	2016/17		2018/19	2019/20
R million									
Provincial high catalytic projects (Mutash Hub)	Construction of new bulk water scheme for various purposes	Feasibility	200.0	-	193.0	-	1.5	-	-
Reitz&Lindley Cons Grey PL	Construction of sewer main	Construction	45.0	-	41.0	39.7	4.0	-	-
Clocolan construction of sewer main	Construction of sewer main	Construction	70.0	-	59.0	-	41.0	-	-
Clocolan construction of pump station	Construction of pump station	Construction	10.0	-	9.3	-	-	-	-
Senekal construction of sewer main	Construction of sewer main	Construction	50.0	-	38.9	-	29.0	-	-
Petrus Steyn refurbishment of a plant	Refurbishment of a package plant	Construction	5.9	-	-	-	4.9	-	-
Dealesville construction of sewer main	Construction of sewer main	Construction	8.5	-	-	-	7.5	-	-
Water services infrastructure grant	Water supply and sanitation backlog	Construction	-	-	-	1 445.1	-	-	-
Eastern Cape Region	Construction of water supply and sanitation backlog	Construction	-	42.2	4.9	5.7	-	-	267.2
Free State Region	Construction of water supply and sanitation backlog	Construction	-	27.5	48.7	150.1	-	-	-
KwaZulu-Natal Region	Construction of water supply and sanitation backlog	Construction	-	5.3	150.6	110.6	-	-	-
Limpopo Region	Construction of water supply and sanitation backlog	Construction	-	176.0	178.4	20.3	-	-	125.0
Mpumalanga Region	Construction of water supply and sanitation backlog	Construction	-	21.0	58.2	1.3	-	-	-
North West Region	Construction of water supply and sanitation backlog	Construction	-	46.1	7.2	1.2	-	-	250.0
Accelerated community infrastructure programme	Water supply and sanitation backlog	Construction	-	-	-	7.7	-	-	-
Community Infrastructure: Water Supply	Construction of new and refurbishment of existing water infrastructures	Construction	-	69.5	51.4	-	-	-	-
Wastewater infrastructure:Refurbishment	Upgrade of existing wastewater treatment works	Construction	-	92.9	96.9	-	26.8	-	-
Bucket Eradication Programme (BEP)	Sanitation Backlog	Construction	-	-	-	-	852.1	1 048.2	-
Clanwilliam/Lambertsbaai Regional Water Supply and Desalination	Upgrade of existing bulk water scheme	Construction	61.5	-	59.3	-	-	22.7	-
Infrastructure network	Water resource infrastructure monitoring tool	Construction	200.0	-	189.3	-	-	31.0	35.5
Chris Hani district municipality bulk water supply: Quthubeni (cluster 9)	Construction of new bulk water scheme	Construction	208.0	13.8	32.9	-	-	-	-
Hofmeyer groundwater supply (phase 1 completed)	Development of borehole to augment existing bulk water scheme	Construction	47.4	23.2	12.0	-	-	-	-
Middelburg groundwater supply	Development of borehole to augment existing bulk water scheme	Construction	31.1	0.1	0.8	-	-	-	-
Mohokare bulk water supply	Construction of new bulk water scheme	Construction	170.3	10.5	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	3.4	15.0	-	-	-	-
Mandlakazi bulk water supply (phase 1 to be completed) construction of water treatment works (phase 2)	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	94.0	14.8	57.0	-	-	-	-
Loeriesfontein bulk water supply	Construction of new bulk water scheme	Feasibility	40.0	8.0	4.1	-	-	-	-
Van Wyksvlei groundwater	Construction of new bulk water scheme	Design	97.6	2.9	1.8	-	-	-	-

**Additional table: Summary of expenditure on infrastructure**

Project name	Service delivery outputs	Current project stage	Total project cost	Audited outcome			Adjusted appropriation 2017/18	Medium-term expenditure estimate	
				2014/15	2015/16	2016/17		2018/19	2020/21
R million									
Eerstehoek/Ekulindeni bulk water supply	Construction of new bulk water supply and upgrading of existing water treatment works	Feasibility	103.6	1.2	98.0	-	-	-	-
Lushuhwane bulk water scheme	Construction of new bulk water and sanitation schemes	Design	91.9	0.5	76.0	-	-	-	-
Amsterdam and Sheepmore bulk water scheme	Upgrading of existing water treatment works and new bulk water scheme	Feasibility	30.5	2.2	26.0	-	-	-	-
Citrusdal wastewater treatment works	Construction of new wastewater treatment works	Construction	35.6	6.8	19.6	-	-	-	-
Clanwilliam water treatment works	Upgrading of existing bulk water scheme	construction	16.0	1.0	0.9	2.2	-	-	-
Clanwilliam/Lamberts Bay regional water supply	Upgrading of existing bulk water scheme	Construction	59.5	9.7	21.0	0.9	-	-	-
Tulbagh bulk water supply (Witzenberg)	Construction of new bulk water scheme	Construction	73.8	20.7	8.3	0.9	-	-	-
Drakenstein wastewater treatment works	Upgrading existing wastewater treatment works	Handed over	29.0	7.0	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	1.9	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	-	-	-	25.1	-	-
Memel refurbishment waste water treatment works and Sewer	Refurbishment of a sewer	Construction	3.5	-	-	-	3.5	-	-
Tweling sewer pump station	Construction of sewer pumpstation	Construction	7.5	-	-	-	5.5	-	-
Rouxville outfall sewer	Construction of outfall sewer	Construction	1.7	-	-	-	1.7	-	-
Frankfort rising main	Construction of rising main	Construction	7.6	-	-	-	5.6	-	-
Dewetsdorp outfall sewer line	Construction of outfall sewer	Construction	3.1	-	-	-	3.1	-	-
Heilbron sewer and pumpstation	Construction of sewer and pumpstation	Construction	9.9	-	-	-	7.9	-	-
Hertzogville outfall sewer pumpstation	Construction of outfall sewer	Construction	1.7	-	-	-	1.7	-	-
Louisvale Pumpstation	Construction of new pumpstation	Construction	8.2	-	-	-	6.2	-	-
Louisvale Pumpstation Prefab	Refurbishment of pumpstation	Construction	4.4	-	-	-	3.4	-	-
Breipaal pumpstation	Construction of new pumpstation	Construction	4.4	-	-	-	3.4	-	-
Calitzdorp and Ladysmith waste water treatment works	Upgrades of waste water treatment works	Feasibility	77.5	-	-	-	4.0	-	-

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	
				2014/15	2015/16	2016/17		2018/19	2019/20
<b>Infrastructure transfers to other spheres, agencies and departments</b>									
<b>Mega projects (total project cost of at least R1 billion over the project life cycle)</b>									
Olifants River water resources development project: De Hoop Dam (phase 2A)	Supply of water to new mining developments; 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	Hand over	3 074.0	152.7	19.5	17.9	-	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	645.3	-	-	-	-	-
Olifants River water resources development project (phase 2C)	Supply of water to new mining developments; 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	-	-	80.0	-
Olifants River water resources development project (phase 2D)	Construction of second pipeline between Steelpoort weir to and Moolihok	Tender	2 000.0	-	-	-	25.8	-	400.0
Olifants River water resources development project (phases 2E and 2F)	Construction of second pipeline parallel to Lebalole scheme and Lebalole Scheme to Olifantspoort	Design	3 115.9	-	-	-	66.0	53.1	-
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	-	84.9	-
Dam safety rehabilitation programme	Rehabilitation of assets and improvement of dam safety	Design	2 800.0	225.5	170.0	-	35.4	110.0	150.0
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	177.2	196.2	-	65.7	-	331.1
Mokolo River and West Crocodile River 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	-	-	-	25.8	143.0	181.9
Acid mine drainage	Construction of water treatment works	Feasibility	-	-	-	683.8	1 110.0	350.0	300.0
OR Tambo Mthatha King Sabata Dalindyebo district municipality bulk water supply and sanitation	Augmentation of existing bulk water scheme	Construction	3 001.5	317.8	457.5	350.5	325.0	309.7	273.7
Vaal Dam scheme phase 1	Upgrade of existing bulk water scheme	Construction	18 000.0	40.0	53.8	215.6	350.0	350.0	137.5
Polokwane wastewater treatment works	Upgrade of existing wastewater treatment works	Design	1 043.8	1.1	-	-	90.0	191.4	431.0
Polokwane bulk water supply	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	1 832.0	-	-	130.2	119.7	81.2	200.0
Umgeni Water Board: Lower Thukela bulk water supply scheme	Construction of new bulk water scheme	Construction	1 044.0	185.0	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	40.0	160.0
Greater Mthonjaneni bulk water supply (phases 2)	Construction of new bulk water scheme	Construction	1 228.2	48.8	211.8	182.2	36.4	70.0	40.0
Ngcebo BWS (Lembe)	Construction of new bulk water scheme	Construction	1 420.7	53.9	106.5	156.1	145.0	75.4	-

## 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		
				2014/15	2015/16	2016/17		2018/19	2020/21	
R million										
<b>Large projects (total project cost of at least R250 million but less than R1 billion over the project life cycle)</b>										
Groot Letaba River water development project: Raising of 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	–	–	121.9	208.9	86.9
Mdloti River development project: Raising of Hazelmere Dam	Augmentation of water supply to Umgeni Water for treatment, for KwaZulu-Natal North coast	Construction	620.0	4.9	188.2	217.3	10.4	110.0	–	–
Mopani district municipality emergency works	Refurbishment of dilapidated infrastructure	Construction	80.0	89.1	100.7	–	–	–	–	–
Taung/Naledi bulk water supply phase 2	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	733.8	111.9	63.7	69.3	55.0	70.0	60.0	50.0
Namakwa bulk water supply phase 1	Upgrade of existing bulk water scheme	Construction	648.3	103.5	149.7	63.4	83.2	84.0	75.0	135.0
Planesberg South bulk water supply phase 2	Upgrade of existing bulk water scheme and construction of new bulk water scheme.	Construction	796.6	69.7	150.0	142.8	58.4	36.0	65.4	100.0
Amatola Water: Refurbishment of 6 existing plants and downstream infrastructure	Upgrade of existing bulk water scheme	Construction	500.0	150.0	169.1	–	88.6	92.4	–	–
Greater Mamusa bulk water supply phase 1 (Refurbishment)	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	444.3	19.9	46.8	55.0	101.0	45.0	40.0	50.0
Chris Hani district municipality Ncora bulk water supply (cluster 4)	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	421.7	84.0	72.6	68.3	45.0	40.0	8.0	8.4
Chris Hani district municipality Ngcobo bulk water supply (cluster 6)	Construction of new bulk water scheme and spring protection	Construction	321.7	63.4	48.0	63.3	35.0	20.0	5.0	5.3
Xonxa Dam BWS	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	444.0	95.7	68.3	58.0	26.0	17.0	5.0	5.3
Mhlabatshane bulk water supply	Construction of new bulk water scheme	Construction	483.5	52.2	8.8	12.8	–	–	–	–
Greytown BWS Phase 2	Construction of new bulk water scheme and upgrade of existing bulk water scheme	Construction	950.0	37.8	93.6	106.4	98.9	40.0	25.2	–
Middledrift BWS	Construction of new water treatment works	Construction	340.0	–	24.1	79.0	30.0	50.0	30.0	70.0
Greater Bulwer phase 2	Upgrade of existing water treatment works	Construction	343.3	33.4	14.0	60.0	90.0	70.0	50.0	67.5
Nongoma bulk water supply	Construction of new bulk water scheme	Construction	529.1	31.1	131.8	110.4	70.0	41.5	–	–
Dukuduku resettlement bulk water supply	Construction of new bulk water scheme	Construction	266.4	26.8	15.0	15.2	–	–	–	–
Greater Mpošana regional bulk water supply Phase 1-3	Construction of new bulk water scheme	Feasibility	469.3	–	–	–	86.8	21.0	80.0	180.7
Driefontein Phase 3 (Spioenkop to Ladysmith) bulk water supply	Construction of bulk water scheme	Feasibility	350.0	–	–	–	–	97.3	85.5	100.0
Maphumulo BWS	Construction of bulk water scheme	Feasibility	294.6	–	–	–	80.0	30.0	80.0	150.0
Chris Hani district municipality bulk water supply: Quthubeni (cluster 9) phase 1	Construction of new bulk water scheme	Construction	208.0	13.8	32.9	15.0	95.0	75.0	7.0	7.4
Middelburg groundwater supply	Development of borehole to augment existing bulk water scheme	Construction	32.5	0.1	0.8	6.4	6.0	3.0	–	–
Masilomyana bulk water supply phase 1	Upgrade of existing bulk water scheme	Design	304.9	45.8	41.9	6.9	15.0	–	–	–
Driefontein Indaka bulk water supply	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	378.5	66.7	20.8	64.0	10.0	45.0	40.0	27.4
Mandlakazi bulk water supply phase 5	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	94.0	14.8	57.0	27.7	40.0	90.0	90.0	100.0



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	
				2014/15	2015/16	2016/17		2018/19	2019/20
R million									
Balf/Siyat/Grey/Willems/Nthor bulk water supply	Construction of new bulk water scheme	Various	590.7	7.9	7.7	36.6	42.0	20.8	100.0
Musikalgwa regional water supply scheme (phase 1)	Construction of new bulk water scheme	Design	407.0	5.5	-	-	3.0	10.0	30.0
Empuluzi and Methula bulk water scheme	Upgrade of existing bulk water scheme	Feasibility	291.0	0.1	-	-	5.0	20.0	52.3
Kagisano Molopo bulk water supply	Upgrade of existing water treatment works and new bulk water scheme	Feasibility	350.0	2.9	18.0	9.0	26.0	34.2	21.7
Stellenbosch wastewater treatment works phase 2	Upgrade of existing wastewater treatment works	Construction	304.3	18.0	48.1	32.8	-	-	-
Nooitgedagt Bulk Water Supply	Construction of new scheme	Construction	390.3	-	-	-	-	-	185.0
Goedertrouw Transfer Scheme	Construction of new scheme	Construction	350.0	-	-	-	300.0	350.0	-
<b>Small projects (total project cost of less than R250 million over the project life cycle)</b>									
Bushbuckridge water treatment plant, pipelines and reservoirs	Supply of water to Bushbuckridge area	Handed over	144.5	44.5	-	-	-	-	-
Zeerust water treatment plant, pipelines and reservoirs	Supply of water to Zeerust area	Handed over	14.2	17.4	-	-	-	-	-
Mzimvubu water project	Construction of two large dams and bulk distribution system in the Eastern Cape Province	Design	20 000.0	571.2	-	-	70.7	100.0	-
Abaqulusi, Nongoma and Jozini water intervention projects	Supply of water	Construction	100.0	66.8	-	-	-	-	-
Free State region	Construction of new bulk water scheme	Feasibility	128.5	-	2.5	10.4	3.0	-	-
Sterkspruit bulk water supply	Construction of new bulk water scheme	Feasibility	50.0	0.5	-	2.5	3.0	-	20.0
Coffee bay water treatment works	Upgrade of existing water treatment works	Feasibility	130.0	-	-	12.7	2.5	-	13.0
Setsoho bulk water supply phase 1 and 2	Construction of new bulk water scheme	Construction	147.6	13.5	40.6	45.7	20.0	30.0	53.1
Rouxville/Smithfield/Zastron Mohokare bulk water supply phase 1	Construction of new bulk water scheme	Construction	180.3	28.6	44.1	31.8	20.0	38.0	20.0
Mantsopa bulk water supply phase 1	Construction of new bulk water scheme to augment existing bulk water scheme	Construction	250.0	3.4	13.4	8.3	15.0	17.5	30.0
Ngwathe bulk water supply (phase 2)	Construction of new bulk water scheme	Construction	250.0	2.9	6.8	2.3	15.0	38.0	40.0
Lushuhwane bulk water scheme	Construction of new bulk water and sanitation schemes	Design	91.9	0.5	-	25.4	28.1	41.6	57.0
Upgrade of Balfour wastewater treatment works phase 2	Upgrade of existing wastewater treatment works	Tender	85.5	-	-	23.0	33.4	42.0	10.0
Bushbuckridge water services (Cunningmore to Newington BWS) phase 1	Construction of new bulk water scheme	Feasibility	190.0	-	-	40.0	3.0	15.0	40.0
Eerstehoek/Ekulindeni bulk water supply	Construction of new bulk water supply and upgrade of existing water treatment works	Feasibility	115.1	1.2	-	-	3.0	-	20.3
Amsterdam wastewater treatment works phase 1	Upgrade of existing water treatment works and construction of new bulk water scheme	Feasibility	30.5	2.2	-	12.3	5.0	25.0	40.0
Van Wyksvlei groundwater phase 1 (pipeline upgrade)	Construction of new bulk water scheme	Design	94.7	2.9	1.8	15.0	30.0	46.8	-
Hantam desalination plant (Brandvlei)	Construction of new desalination plant	Construction	66.6	-	4.1	5.3	-	27.0	21.5
Loerfontein bulk water supply phase 1 (pipeline)	Construction of new bulk water scheme	Construction	95.4	8.0	3.6	14.2	50.4	17.2	-

**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		
				2014/15	2015/16	2016/17		2018/19	2019/20	2020/21
R million										
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	-	20.0	10.6	-	-
Williston bulk water supply	Construction of new bulk water scheme	Feasibility	47.0	1.9	0.5	-	-	27.0	20.0	-
Britstown oxidation ponds	Upgrade of existing waste water treatment works	Design	30.6	-	-	0.8	-	26.7	3.9	-
Danielskuil wastewater treatment works	Upgrade of existing water treatment works	Feasibility	12.6	-	-	-	-	-	12.6	40.0
Kathu bulk water supply	Construction of new bulk water scheme	Feasibility	90.0	0.1	-	-	-	21.6	31.0	51.4
Christiana wastewater treatment works	Upgrade of existing water treatment works	Feasibility	55.5	-	-	2.7	-	-	20.0	21.1
Citrusdal wastewater treatment works phase 2	Construction of new wastewater treatment works	Construction	52.7	6.8	19.6	2.7	-	-	-	-
Clanwilliam/Lamberts Bay regional water supply	Upgrade of existing bulk water scheme	Construction	61.5	0.9	-	14.4	0.6	-	-	-
Tulbagh bulk water supply (Witzenberg)	Construction of new bulk water scheme	Construction	76.8	0.9	-	27.8	13.4	9.5	19.5	-
Clanwilliam water treatment works	Upgrade of existing bulk water scheme	construction	31.3	2.2	-	4.0	4.0	-	-	-
Hofmeyer groundwater	Development of borehole to augment existing bulk water scheme	Construction	64.0	23.2	12.0	6.8	1.5	7.0	-	-
Eastern Cape region	Water supply and sanitation backlog	Construction	-	158.0	441.8	503.5	485.5	494.0	484.0	510.6
Free State region	Water supply and sanitation backlog	Construction	-	-	15.0	131.0	250.0	305.3	241.3	251.7
Gauteng region	Water supply and sanitation backlog	Design	-	-	-	70.0	150.0	195.0	184.9	195.1
KwaZulu-Natal region	Water supply and sanitation backlog	Construction	-	263.6	803.1	855.6	890.0	900.0	1 125.1	1 187.0
Limpopo region	Water supply and sanitation backlog	Construction	-	27.4	130.5	540.3	527.5	495.0	690.0	728.0
Mpumalanga region	Water supply and sanitation backlog	Construction	-	21.0	263.7	398.7	415.0	409.7	359.0	389.3
Northern Cape region	Water supply and sanitation backlog	Construction	-	64.2	87.7	141.0	260.5	288.5	205.0	208.5
North West region	Water supply and sanitation backlog	Construction	-	1.5	62.0	204.9	321.0	346.6	358.0	377.7
Western Cape region	Water supply and sanitation backlog	Construction	-	-	-	-	30.0	47.0	22.0	23.2
<b>Total</b>			<b>200 711.9</b>	<b>8 699.6</b>	<b>12 518.9</b>	<b>11 897.5</b>	<b>11 802.0</b>	<b>11 165.7</b>	<b>11 805.4</b>	<b>12 426.2</b>