

Vote 34

Mineral Resources and Energy

Budget summary

R million	2020/21				2021/22	2022/23
	Total	Current payments	Transfers and subsidies	Payments for capital assets	Total	Total
MTEF allocation						
Administration	642.3	621.5	3.5	17.4	683.2	707.8
Minerals and Petroleum Regulation	574.7	373.3	201.4	0.0	608.7	632.7
Mining, Minerals and Energy Policy Development	993.1	181.3	811.7	0.1	892.6	952.2
Mine Health and Safety Inspectorate	232.7	229.4	2.4	0.8	252.0	261.5
Mineral and Energy Resources Programmes and Projects	5 798.1	240.7	5 557.3	0.1	5 977.7	6 829.7
Nuclear Energy Regulation and Management	1 096.1	37.8	1 058.3	–	1 155.8	1 199.5
Total expenditure estimates	9 337.0	1 684.0	7 634.6	18.4	9 570.0	10 583.4

Executive authority Minister of Mineral Resources and Energy
 Accounting officer Director-General of Mineral Resources and Energy
 Website www.energy.gov.za

The Estimates of National Expenditure e-publications for individual votes are available at www.treasury.gov.za. These publications provide more comprehensive coverage of vote-specific information, particularly about transfers and subsidies, personnel and other public institutions. Additional tables in Excel format can be found at www.treasury.gov.za and www.vulekamali.gov.za.

Vote purpose

Regulate the minerals and mining sector for transformation, growth and development. Formulate energy policies, regulatory frameworks and legislation to ensure energy security, environmentally friendly carriers, and access to affordable and reliable energy.

Mandate

The Department of Mineral Resources and Energy is mandated to ensure the transparent and efficient regulation of South Africa's mineral resources and minerals industry, and the secure and sustainable provision of energy in support of socioeconomic development. A number of acts regulate the mining, minerals and energy sectors. Key among these are:

- the Mineral and Petroleum Resources Development Act (2002), which provides the regulatory framework for equitable access to and the sustainable development of mineral resources and related matters.
- the Mine Health and Safety Act (1996), which governs mine health and safety.
- the National Energy Act (2008), which empowers the minister to plan for and ensure the security of supply for the energy sector.
- the Petroleum Products Act (1977), which regulates the petroleum industry at the manufacturing, wholesale and retail levels.
- the Electricity Regulation Act (2006), which establishes a national regulatory framework for the electricity supply industry, including registration and licensing.

Selected performance indicators

Table 34.1 Performance indicators by programme and related priority

Indicator	Programme	MTSF priority	Past			Current	Projections		
			2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Number of new petroleum retail site inspections per year	Minerals and Petroleum Regulation	Priority 1: Economic transformation and job creation	1 515	2 099	1 500	1 500	1 500	1 500	1 500
Number of mining rights and permits granted or issued to historically disadvantaged South Africans per year	Minerals and Petroleum Regulation		175	178	183	120	120	120	120
Number of mining industry workshops on compliance issues conducted per year	Minerals and Petroleum Regulation		14	8	12	9	9	9	9
Number of social and labour plan verification inspections per year	Minerals and Petroleum Regulation		275	306	251	212	212	212	212
Number of environmental verification inspections conducted per year	Minerals and Petroleum Regulation	Priority 5: Social cohesion and safe communities	1 465	1 583	1 502	1 275	1 275	1 275	1 275
Number of mine economic verification audits per year	Minerals and Petroleum Regulation	Priority 1: Economic transformation and job creation	501	487	384	425	425	425	425
Number of mineral legislation compliance inspections conducted per year	Minerals and Petroleum Regulation		264	212	155	150	150	150	150
Number of mine inspections conducted per year	Mine Health and Safety Inspectorate		9 363	9 425	8 567	8 000	8 000	8 000	8 000
Number of derelict and ownerless mines rehabilitated per year	Programmes and Projects	Priority 5: Social cohesion and safe communities	45	43	20	43	43	43	43
Number of energy savings realised and verified from energy efficiency and demand-side management grant per year (terawatt hours)	Programmes and Projects	Priority 1: Economic transformation and job creation	– ¹	5.8TWh	3.4TWh	0.5TWh	0.5TWh	0.5TWh	0.5TWh
Number of additional households electrified with grid electrification per year	Programmes and Projects		301 976	275 830	242 905	181 500	180 000	180 000	200 000
Number of bulk substations built per year	Programmes and Projects		3	3	8	2	2	2	2
Number of additional substations upgraded per year	Programmes and Projects		3	4	4	3	3	3	3
Kilometres of new medium-voltage power lines constructed per year	Programmes and Projects		296	161	202	50	50	50	50
Kilometres of existing medium-voltage power lines upgraded per year	Programmes and Projects		9	32	2	50	50	50	50
Number of additional households electrified with non-grid electrification per year	Programmes and Projects		16 922	16 875	13 090	20 000	15 000	15 000	15 000

1. No historical data available.

Expenditure analysis

The National Development Plan envisages that, by 2030, South Africa will have an adequate supply of electricity and liquid fuels to maintain economic activity and prevent economic disruptions, and a mining sector that prioritises the welfare of its human resources and the environment. To give effect to this vision, over the medium term, the Department of Mineral Resources and Energy will focus on transforming mining and energy resources, rehabilitating mines and the environment, extending access to electricity, enhancing energy efficiency, and managing nuclear energy in accordance with international commitments. These focus areas contribute to priority 1 (economic transformation and job creation) and priority 5 (social cohesion and safe communities) of government's 2019–2024 medium-term strategic framework.

Transfers and subsidies to public entities and municipalities of R24 billion over the MTEF period account for

an estimated 81.6 per cent of the department's planned spending. Total expenditure is expected to increase at an average annual rate of 4.8 per cent, from R9.2 billion in 2019/20 to R10.6 billion in 2022/23.

Due to the labour-intensive nature of the department's work, which requires inspections to be conducted to ensure that mining companies comply with legislative requirements, expenditure on compensation of employees amounts to an estimated R3.6 billion over the medium term, 11.9 per cent of total expenditure. To remain within the expenditure ceiling for compensation of employees, the number of personnel in the department is expected to decrease from 1 917 in 2019/20 to 1 882 in 2022/23. This decrease is not expected to have an impact on service delivery as the affected posts are mainly administrative, and to avoid the duplication of functions following the merger of the Department of Mineral Resources with the Department of Energy through the national macro organisation of government in 2019/20.

Transforming mining and energy resources

As the department works towards growing the economy and creating jobs, it will seek to accelerate transformation within the mining and energy sectors by monitoring and enforcing compliance with the newly approved mining charter, and monitoring adherence to social labour plans. It will also promote the exploration of onshore and offshore oil and gas resources and their optimal development, and investments in the mineral and upstream petroleum sectors. Activities related to these initiatives are expected to lead to an increase in expenditure, from R399.2 million in 2019/20 to R468.1 million in 2022/23 at an average annual rate of 5.5 per cent, in the *Mineral Regulation and Administration* subprogramme in the *Minerals and Petroleum Regulation* programme.

Rehabilitating mines and the environment

The department plans to intensify its efforts to rehabilitate dangerous, derelict and ownerless mining sites to promote the health and safety of mine employees and people in surrounding communities. Over the medium term, it aims to rehabilitate 129 mines, conduct 3 825 environmental inspections, and conduct 24 000 health inspections. As a result, allocations in the *Mine Health and Safety Inspectorate* programme are expected to increase from R224.8 million in 2019/20 to R261.5 million in 2022/23 at an average annual rate of 5.2 per cent.

Extending access to electricity

In support of government's policy to extend access to electricity to all South Africans, an additional 560 000 households are expected to be connected to the electricity grid over the medium term. To enable this, 6 new substations are set to be built and 9 substations upgraded. A further 15 000 households per year are expected to be provided with non-grid, mainly solar, electrification.

Despite reductions over the MTEF period of R1.2 billion in indirect grants to Eskom and R380.5 million in municipal grants, mainly in 2020/21 and 2021/22, spending in the *Integrated National Electrification Programme* subprogramme is expected to increase at an average annual rate of 5.1 per cent, from R5.2 billion in 2019/20 to R6.1 billion in 2022/23. Transfers to Eskom are set to increase from R3.1 billion in 2019/20 to R3.7 billion in 2022/23 at an average annual rate of 5.7 per cent, and transfers to municipalities are set to increase from R1.9 billion in 2019/20 to R2.1 billion in 2022/23 at an average annual rate of 4.4 per cent. Transfers for non-grid connections are expected to increase from R212.9 million in 2019/20 to R238.5 million in 2022/23 at an average annual rate of 3.9 per cent.

The department's electrification master plan, which is intended to inform the rollout of electrification connections for universal access, is expected to be finalised in 2020/21. The plan will provide a model for allocating resources based on data informed by factors such as backlogs, and is allocated R17.2 million over a two-year period, ending in 2020/21.

Enhancing energy efficiency

To realise a target of 1.5 terawatt hours of energy savings over the medium term, allocations to the *energy efficiency and demand-side management grant* are expected to increase from R227.1 million in 2019/20 to

R243.3 million in 2022/23. This will enable municipalities to undertake initiatives to upgrade municipal infrastructure that is not energy efficient, such as replacing street and traffic lights with greener technology.

Managing nuclear energy

The *Nuclear Energy Regulation and Management* programme accounts for an estimated 11.6 per cent of the department's total expenditure over the medium term, mainly comprising transfers to entities. The South African Nuclear Energy Corporation is allocated R3 billion over the MTEF period, of which R2.3 billion is for operational costs and R635 million for the decontamination and decommissioning of old strategic nuclear facilities. The National Radioactive Waste Disposal Institute is set to receive R155 million over the period ahead for its operationalisation while it finalises its application for a radioactive waste disposal licence from the National Nuclear Regulator.

Expenditure trends and estimates

Table 34.2 Vote expenditure trends and estimates by programme and economic classification

Programmes											
1. Administration											
2. Minerals and Petroleum Regulation											
3. Mining, Minerals and Energy Policy Development											
4. Mine Health and Safety Inspectorate											
5. Mineral and Energy Resources Programmes and Projects											
6. Nuclear Energy Regulation and Management											
Programme	Audited outcome			Adjusted appropriation	Average growth rate (%)	Average Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%)	Average Expenditure/ Total (%)
R million	2016/17	2017/18	2018/19	2019/20	2016/17 - 2019/20	2019/20	2020/21	2021/22	2022/23	2019/20 - 2022/23	2022/23
Programme 1	612.2	604.9	622.1	624.9	0.7%	6.7%	642.3	683.2	707.8	4.2%	6.9%
Programme 2	341.2	449.1	470.6	537.8	16.4%	4.9%	574.7	608.7	632.7	5.6%	6.1%
Programme 3	899.0	879.9	982.8	1 018.9	4.3%	10.2%	993.1	892.6	952.2	-2.2%	10.0%
Programme 4	191.3	205.4	210.3	224.8	5.5%	2.2%	232.7	252.0	261.5	5.2%	2.5%
Programme 5	6 258.5	6 788.1	5 814.5	5 740.9	-2.8%	66.4%	5 798.1	5 977.7	6 829.7	6.0%	62.9%
Programme 6	871.7	793.9	870.0	1 038.5	6.0%	9.6%	1 096.1	1 155.8	1 199.5	4.9%	11.6%
Total	9 173.9	9 721.3	8 970.4	9 185.8	0.0%	100.0%	9 337.0	9 570.0	10 583.4	4.8%	100.0%
Change to 2019 Budget estimate				(259.5)			(160.7)	(881.6)	(310.6)		
Economic classification											
Current payments	1 453.2	1 454.2	1 556.2	1 579.5	2.8%	16.3%	1 684.0	1 778.5	1 850.9	5.4%	17.8%
Compensation of employees	880.3	910.5	957.9	1 045.5	5.9%	10.2%	1 118.1	1 190.8	1 242.6	5.9%	11.9%
Goods and services ¹	573.0	543.6	598.3	534.0	-2.3%	6.1%	565.9	587.7	608.3	4.4%	5.9%
of which:											
Computer services	37.5	35.6	35.5	39.4	1.6%	0.4%	43.5	45.7	45.4	4.9%	0.4%
Consultants: Business and advisory services	110.7	32.5	53.0	107.0	-1.1%	0.8%	134.5	132.8	136.4	8.4%	1.3%
Operating leases	128.3	123.8	130.8	84.5	-13.0%	1.3%	92.2	97.3	101.5	6.3%	1.0%
Travel and subsistence	120.4	112.9	121.6	114.6	-1.6%	1.3%	113.0	119.4	125.4	3.1%	1.2%
Operating payments	27.7	101.1	118.1	29.7	2.3%	0.7%	17.3	18.3	19.0	-13.9%	0.2%
Venues and facilities	16.5	14.7	13.8	16.5	0.0%	0.2%	17.3	18.3	19.0	5.0%	0.2%
Interest and rent on land	-	-	0.0	-	0.0%	0.0%	-	-	-	0.0%	0.0%
Transfers and subsidies¹	7 607.4	8 251.5	7 352.4	7 588.7	-0.1%	83.1%	7 634.6	7 772.1	8 711.9	4.7%	82.0%
Provinces and municipalities	2 131.9	2 290.3	2 119.5	2 090.4	-0.7%	23.3%	2 076.7	2 233.1	2 362.0	4.2%	22.7%
Departmental agencies and accounts	506.1	570.1	605.1	647.9	8.6%	6.3%	761.3	651.2	699.5	2.6%	7.1%
Foreign governments and international organisations	25.0	25.6	26.4	29.5	5.6%	0.3%	31.1	32.8	34.0	4.9%	0.3%
Public corporations and private enterprises	4 940.3	5 359.2	4 598.1	4 818.8	-0.8%	53.2%	4 763.2	4 852.5	5 613.9	5.2%	51.8%
Households	4.2	6.4	3.2	2.2	-19.4%	0.0%	2.3	2.4	2.5	5.2%	0.0%
Payments for capital assets	112.0	15.6	61.2	17.5	-46.1%	0.6%	18.4	19.5	20.6	5.5%	0.2%
Buildings and other fixed structures	0.2	0.3	0.6	2.1	137.7%	0.0%	2.1	2.3	2.4	5.5%	0.0%
Machinery and equipment	24.5	14.5	14.1	15.5	-14.2%	0.2%	16.3	17.2	18.2	5.5%	0.2%
Software and other intangible assets	87.3	0.8	46.4	-	-100.0%	0.4%	-	-	-	0.0%	0.0%
Payments for financial assets	1.3	-	0.7	-	-100.0%	0.0%	-	-	-	0.0%	0.0%
Total	9 173.9	9 721.3	8 970.4	9 185.8	0.0%	100.0%	9 337.0	9 570.0	10 583.4	4.8%	100.0%

1. Tables that detail expenditure trends, annual budget, adjusted appropriation and audited outcome are available at www.treasury.gov.za and www.vulekamali.gov.za.

Transfers and subsidies expenditure trends and estimates

Table 34.3 Vote transfers and subsidies trends and estimates

R thousand	Audited outcome			Adjusted appropriation 2019/20	Average growth rate (%) 2016/17 - 2019/20	Average: Expenditure/ Total (%) 2016/17 - 2019/20	Medium-term expenditure estimate			Average growth rate (%) 2019/20 - 2022/23	Average: Expenditure/ Total (%) 2019/20 - 2022/23
	2016/17	2017/18	2018/19				2020/21	2021/22	2022/23		
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	468 777	534 296	601 370	643 928	11.2%	7.3%	757 096	646 805	698 986	2.8%	8.7%
Energy and Water Sector Education and Training Authority	985	1 048	1 108	1 170	5.9%	–	1 209	1 276	1 324	4.2%	–
South African Diamond and Precious Metals Regulator	53 205	65 865	59 105	61 544	5.0%	0.8%	63 630	67 131	69 626	4.2%	0.8%
Council for Geoscience	341 708	330 574	311 613	410 553	6.3%	4.5%	517 223	389 852	431 008	1.6%	5.5%
Council for Geoscience: Economic competitiveness and support package	–	–	90 000	–	–	0.3%	–	–	–	–	–
Council for Geoscience: Expanded public works programme	–	1 000	1 047	–	–	–	–	–	–	–	–
Mine Health and Safety Council	–	6 162	4 803	4 386	–	–	344	4 777	4 973	4.3%	–
Mining Qualifications Authority	1 716	1 718	1 853	1 996	5.2%	–	2 104	2 240	2 324	5.2%	–
South African National Energy Development Institute	20 625	59 774	70 241	74 151	53.2%	0.7%	78 215	82 517	86 478	5.3%	1.0%
National Nuclear Regulator	40 538	38 155	16 068	42 629	1.7%	0.4%	44 974	47 448	49 214	4.9%	0.6%
National Radioactive Waste Disposal Institute	10 000	30 000	45 532	47 499	68.1%	0.4%	49 397	51 564	54 039	4.4%	0.6%
Capital	37 288	35 832	3 765	3 976	-52.6%	0.3%	4 195	4 426	539	-48.6%	–
Council for Geoscience	36 890	35 414	3 323	3 509	-54.4%	0.3%	3 702	3 906	–	-100.0%	–
National Nuclear Regulator	398	418	442	467	5.5%	–	493	520	539	4.9%	–
Households											
Social benefits											
Current	3 060	6 072	2 605	1 779	-16.5%	–	1 877	1 980	2 074	5.2%	–
Employee Social Benefits	3 060	6 072	2 605	1 779	-16.5%	–	1 877	1 980	2 074	5.2%	–
Provinces and municipalities											
Municipal bank accounts											
Current	185 625	203 236	215 024	227 065	6.9%	2.7%	217 994	229 983	243 291	2.3%	2.9%
Energy Efficiency and Demand-Side Management Grant	185 625	203 236	215 024	227 065	6.9%	2.7%	217 994	229 983	243 291	2.3%	2.9%
Capital	1 946 246	2 087 048	1 904 477	1 863 328	-1.4%	25.3%	1 858 752	2 003 157	2 118 668	4.4%	24.7%
Integrated National Electrification Programme Grant	1 946 246	2 087 048	1 904 477	1 863 328	-1.4%	25.3%	1 858 752	2 003 157	2 118 668	4.4%	24.7%
Households											
Other transfers to households											
Current	1 072	291	597	397	-28.2%	–	419	442	459	5.0%	–
Bursaries for Non-employees	813	250	–	–	-100.0%	–	–	–	–	–	–
Employee Social Benefits	139	1	270	–	-100.0%	–	–	–	–	–	–
Employee Ex-Gratia Payment	120	40	154	397	49.0%	–	419	442	459	5.0%	–
Claims Against State	–	–	173	–	–	–	–	–	–	–	–
Public corporations and private enterprises											
Other transfers to public corporations											
Current	828 613	884 705	976 526	1 162 528	11.9%	12.5%	1 324 033	1 396 470	1 448 894	7.6%	16.8%
Mintek	315 152	310 705	319 213	370 208	5.5%	4.3%	398 057	419 565	435 159	5.5%	5.1%
Mintek: Expanded public works programme	–	–	–	2 632	–	–	2 775	2 927	3 036	4.9%	–
Mintek: Economic competitiveness and support package	–	–	70 000	–	–	0.2%	–	–	–	–	–
South African Nuclear Energy Corporation	496 375	555 888	568 151	599 246	6.5%	7.2%	722 285	762 011	788 558	9.6%	9.1%
South African Nuclear Energy Corporation	17 086	18 112	19 162	190 442	123.4%	0.8%	200 916	211 967	222 141	5.3%	2.6%
Capital	127 141	146 722	126 556	163 925	8.8%	1.8%	50 523	53 302	55 244	-30.4%	1.0%
Mintek	41 264	56 551	31 155	63 182	15.3%	0.6%	34 305	36 192	37 538	-15.9%	0.5%
South African Nuclear Energy Corporation	85 877	90 171	95 401	100 743	5.5%	1.2%	16 218	17 110	17 706	-44.0%	0.5%
Foreign governments and international organisations											
Current	25 003	25 622	26 412	29 478	5.6%	0.3%	31 099	32 809	34 033	4.9%	0.4%
African Petroleum Producers' Association	–	1 074	–	3 038	–	–	3 205	3 381	3 507	4.9%	–
International Energy Forum	3 034	275	–	782	-100.0%	–	–	–	–	–	–
Generation IV International Forum	–	567	559	–	–	–	825	870	912	5.3%	–
International Renewable Energy Agency	2 216	1 015	1 177	1 201	-18.5%	–	1 267	1 337	1 401	5.3%	–
International Energy Forum	–	–	350	356	–	–	376	397	416	5.3%	–
International Partnership for Energy Efficiency Cooperation	–	–	–	1 345	–	–	1 419	1 497	1 537	4.5%	–
International Atomic Energy Agency	19 753	22 691	24 326	22 756	4.8%	0.3%	24 007	25 327	26 260	4.9%	0.3%

Table 34.3 Vote transfers and subsidies trends and estimates

R thousand	Audited outcome			Adjusted appropriation 2019/20	Average growth rate (%) 2016/17 - 2019/20	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%) 2019/20 - 2022/23	Average: Expenditure/ Total (%)
	2016/17	2017/18	2018/19				2020/21	2021/22	2022/23		
Public corporations and private enterprises											
Subsidies on products and production (pe)											
Current	–	87 138	98 439	133 652	–	1.0%	141 065	148 802	154 334	4.9%	1.8%
Petroleum Agency South Africa	–	87 138	98 439	127 446	–	1.0%	134 532	141 911	147 187	4.9%	1.7%
Various institutions: Water management solutions subsidies for marginal mines	–	–	–	6 206	–	–	6 533	6 891	7 147	4.8%	0.1%
Public corporations and private enterprises											
Subsidies on products and production (pc)											
Current	200	–	–	21 683	376.8%	0.1%	25 924	27 350	28 720	9.8%	0.3%
State Diamond Trader	200	–	–	–	-100.0%	–	–	–	–	–	–
Industrial Development Corporation	–	–	–	21 683	–	0.1%	25 924	27 350	28 720	9.8%	0.3%
Capital	3 846 648	4 081 626	3 262 031	3 124 053	-6.7%	46.5%	3 001 483	2 994 257	3 688 162	5.7%	40.4%
Eskom	3 526 334	3 846 154	3 262 031	3 124 053	-4.0%	44.7%	3 001 483	2 994 257	3 688 162	5.7%	40.4%
Various institutions: Solar Water Heater Project	320 314	235 472	–	–	-100.0%	1.8%	–	–	–	–	–
Public corporations and private enterprises											
Other transfers to private enterprises											
Capital	137 733	158 960	134 555	212 941	15.6%	2.1%	220 160	232 269	238 502	3.9%	2.9%
Various institutions: Integrated National Electrification Programme	137 733	158 960	134 555	212 941	15.6%	2.1%	220 160	232 269	238 502	3.9%	2.9%
Total	7 607 406	8 251 548	7 352 357	7 588 733	-0.1%	100.0%	7 634 620	7 772 052	8 711 906	4.7%	100.0%

Personnel information

Table 34.4 Vote personnel numbers and cost by salary level and programme¹

Programmes												Number					
1. Administration												Average growth rate (%)	Average: Salary level/ Total (%)				
2. Minerals and Petroleum Regulation																	
3. Mining, Minerals and Energy Policy Development																	
4. Mine Health and Safety Inspectorate																	
5. Mineral and Energy Resources Programmes and Projects																	
6. Nuclear Energy Regulation and Management																	
Number of posts estimated for 31 March 2020			Number and cost ² of personnel posts filled/planned for on funded establishment														
Number of funded posts	Number of posts additional to the establishment	Medium-term expenditure estimate										2019/20 - 2022/23					
		Actual 2018/19			Revised estimate 2019/20			2020/21		2021/22				2022/23			
		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	
Mineral Resources and Energy																	
Salary level	1 648	26	1 865	957.9	0.5	1 917	1 045.5	0.5	1 924	1 118.1	0.6	1 920	1 190.8	0.6	1 882	1 242.6	0.7
1 – 6	349	6	394	89.0	0.2	434	99.9	0.2	434	102.0	0.2	433	109.6	0.3	433	117.4	0.3
7 – 10	762	10	861	379.3	0.4	867	412.0	0.5	864	441.1	0.5	861	469.8	0.5	829	481.7	0.6
11 – 12	356	4	402	282.7	0.7	405	304.0	0.8	413	330.4	0.8	413	351.3	0.9	407	366.9	0.9
13 – 16	179	6	204	197.6	1.0	207	219.8	1.1	211	239.0	1.1	211	254.3	1.2	211	270.2	1.3
Other	2	–	4	9.2	2.3	4	9.8	2.4	2	5.5	2.7	2	5.8	2.9	2	6.3	3.2
Programme	1 648	26	1 865	957.9	0.5	1 917	1 045.5	0.5	1 924	1 118.1	0.6	1 920	1 190.8	0.6	1 882	1 242.6	0.7
Programme 1	589	17	610	319.9	0.5	623	354.9	0.6	614	365.5	0.6	616	391.3	0.6	597	404.7	0.7
Programme 2	472	2	473	253.3	0.5	509	277.6	0.5	514	302.7	0.6	512	321.7	0.6	500	335.1	0.7
Programme 3	154	2	150	108.4	0.7	153	114.5	0.7	161	126.8	0.8	161	134.7	0.8	161	143.5	0.9
Programme 4	277	–	279	171.1	0.6	278	182.5	0.7	273	192.4	0.7	273	205.1	0.8	266	212.8	0.8
Programme 5	127	5	129	83.5	0.6	127	91.7	0.7	134	103.9	0.8	132	109.8	0.8	133	116.9	0.9
Programme 6	29	–	27	21.6	0.8	30	24.3	0.8	31	26.8	0.9	29	28.2	1.0	28	29.6	1.1
Programme 7	–	–	197	–	–	197	–	–	197	–	–	197	–	–	197	–	–

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

2. Rand million.

Departmental receipts

Table 34.5 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 (%)
	2016/17	2017/18	2018/19					2019/20	2020/21	2021/22		
Departmental receipts	994 977	46 906	88 373	48 083	48 083	-63.6%	100.0%	48 232	49 722	50 407	1.6%	100.0%
Sales of goods and services produced by department	14 357	15 639	15 587	16 348	16 348	4.4%	5.3%	16 367	16 408	16 619	0.5%	33.5%
Sales by market establishments	617	593	571	615	615	-0.1%	0.2%	617	618	626	0.6%	1.3%
of which:												
Market establishment: Rental parking: Covered and open	617	593	571	615	615	-0.1%	0.2%	617	618	626	0.6%	1.3%
Administrative fees	13 017	14 247	14 163	14 883	14 883	4.6%	4.8%	14 898	14 934	15 121	0.5%	30.5%
of which:												
Application fees in relation to the Mineral and Petroleum Resources Development Act (2002)	1 791	1 502	924	1 577	1 577	-4.2%	0.5%	1 577	1 578	1 602	0.5%	3.2%
Requested information: Promotion of Access to Information Act (2000)	30	29	35	30	30	-	-	30	30	30	-	0.1%
Environmental Authorisation application fees	7 252	8 987	9 070	9 526	9 526	9.5%	3.0%	9 531	9 536	9 679	0.5%	19.5%
Administrative fees: Petroleum licence fees	3 944	3 729	4 134	3 750	3 750	-1.7%	1.3%	3 760	3 790	3 810	0.5%	7.7%
Other sales	723	799	853	850	850	5.5%	0.3%	852	856	872	0.9%	1.7%
of which:												
Services rendered: Commission on insurance and garnishee	345	366	390	395	395	4.6%	0.1%	397	401	410	1.3%	0.8%
Services rendered: Marking of exam paper	351	398	435	418	418	6.0%	0.1%	418	418	424	0.5%	0.9%
Services rendered: Photocopies and faxes	26	34	28	36	36	11.5%	-	36	36	37	0.9%	0.1%
Replacement of lost office property	1	1	-	1	1	-	-	1	1	1	-	-
Sales of scrap, waste, arms and other used current goods	1	1	2	1	1	-	-	1	1	1	-	-
of which:												
Sales: Scrap	1	1	2	1	1	-	-	1	1	1	-	-
Transfers received	1 745	2 226	1 617	1 750	1 750	0.1%	0.6%	1 500	1 500	1 500	-5.0%	3.2%
Fines, penalties and forfeits	990	1 294	1 872	2 380	2 380	34.0%	0.6%	1 400	1 402	1 423	-15.8%	3.4%
Interest, dividends and rent on land	24 530	23 603	19 088	24 878	24 878	0.5%	7.8%	26 246	27 690	28 105	4.1%	54.4%
Interest	914	216	88	201	201	-39.6%	0.1%	212	224	227	4.1%	0.4%
Rent on land	23 616	23 387	19 000	24 677	24 677	1.5%	7.7%	26 034	27 466	27 878	4.1%	54.0%
Transactions in financial assets and liabilities	953 354	4 143	50 207	2 726	2 726	-85.8%	85.8%	2 718	2 721	2 759	0.4%	5.6%
Total	994 977	46 906	88 373	48 083	48 083	-63.6%	100.0%	48 232	49 722	50 407	1.6%	100.0%

Programme 1: Administration

Programme purpose

Provide strategic leadership, management and support services to the department.

Expenditure trends and estimates

Table 34.6 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 (%)
	2016/17	2017/18	2018/19				2019/20	2020/21	2021/22		
R million											
Ministry	74.4	78.8	73.7	63.5	-5.2%	11.8%	58.0	64.5	61.5	-1.1%	9.3%
Departmental Management	39.4	41.2	47.4	53.7	10.9%	7.4%	58.7	62.1	65.1	6.6%	9.0%
Audit Services	17.5	16.4	17.8	22.6	8.8%	3.0%	23.2	24.6	25.7	4.3%	3.6%
Financial Administration	79.2	83.9	84.7	101.6	8.6%	14.2%	100.4	106.5	111.3	3.1%	15.8%
Corporate Services	349.6	327.0	333.2	294.4	-5.6%	52.9%	305.8	324.2	338.5	4.8%	47.5%
Office Accommodation	52.1	57.6	65.3	89.1	19.6%	10.7%	96.3	101.3	105.7	5.9%	14.8%
Total	612.2	604.9	622.1	624.9	0.7%	100.0%	642.3	683.2	707.8	4.2%	100.0%
Change to 2019 Budget estimate				(1.8)			(15.0)	(11.8)	(13.2)		

Table 34.6 Administration expenditure trends and estimates by subprogramme and economic classification

Economic classification	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	Average Expenditure/ Total (%)
	2016/17	2017/18	2018/19		2019/20	2016/17 - 2019/20	2020/21	2021/22	2022/23		
R million											
Current payments	595.1	585.3	603.6	605.0	0.6%	97.0%	621.5	661.2	684.6	4.2%	96.8%
Compensation of employees	293.5	299.4	319.9	354.9	6.5%	51.4%	365.5	391.3	404.7	4.5%	57.0%
Goods and services ¹	301.7	285.9	283.6	250.1	-6.1%	45.5%	256.0	269.9	279.9	3.8%	39.7%
of which:											
Audit costs: External	10.1	11.6	11.3	9.2	-2.8%	1.7%	9.8	10.3	10.8	5.2%	1.5%
Computer services	35.0	34.8	31.1	31.2	-3.8%	5.4%	31.7	33.5	34.8	3.8%	4.9%
Operating leases	126.8	122.4	129.8	83.9	-12.9%	18.8%	92.0	97.1	101.3	6.5%	14.1%
Property payments	15.1	13.5	14.4	18.2	6.4%	2.5%	15.6	16.2	16.9	-2.4%	2.5%
Travel and subsistence	42.5	41.2	42.5	37.2	-4.3%	6.6%	33.8	35.7	36.2	-0.9%	5.4%
Training and development	7.5	7.5	6.6	7.9	2.0%	1.2%	8.2	8.6	9.0	4.3%	1.3%
Interest and rent on land	–	–	0.0	–	–	–	–	–	–	–	–
Transfers and subsidies¹	5.0	7.4	4.0	3.3	-12.4%	0.8%	3.5	3.7	3.9	4.9%	0.5%
Departmental agencies and accounts	1.0	1.0	1.1	1.2	5.9%	0.2%	1.2	1.3	1.3	4.2%	0.2%
Households	4.0	6.4	2.9	2.2	-18.3%	0.6%	2.3	2.4	2.5	5.2%	0.4%
Payments for capital assets	12.0	12.2	14.4	16.5	11.2%	2.2%	17.4	18.4	19.4	5.5%	2.7%
Buildings and other fixed structures	0.2	0.3	0.6	2.1	137.7%	0.1%	2.1	2.3	2.4	5.5%	0.3%
Machinery and equipment	11.9	11.1	13.8	14.5	6.8%	2.1%	15.2	16.1	17.0	5.5%	2.4%
Software and other intangible assets	–	0.8	–	–	–	–	–	–	–	–	–
Payments for financial assets	0.1	–	0.1	–	-100.0%	–	–	–	–	–	–
Total	612.2	604.9	622.1	624.9	0.7%	100.0%	642.3	683.2	707.8	4.2%	100.0%
Proportion of total programme expenditure to vote expenditure	6.7%	6.2%	6.9%	6.8%	–	–	6.9%	7.1%	6.7%	–	–

Details of selected transfers and subsidies

Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	2016/17	2017/18	2018/19	2019/20	2016/17 - 2019/20	2020/21	2021/22	2022/23	2019/20 - 2022/23	Average growth rate (%)	Average Expenditure/ Total (%)
Energy and Water Sector	1.0	1.0	1.1	1.2	5.9%	0.2%	1.2	1.3	1.3	4.2%	0.2%
Education and Training Authority	1.0	1.0	1.1	1.2	5.9%	0.2%	1.2	1.3	1.3	4.2%	0.2%

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

Programme 2: Minerals and Petroleum Regulation

Programme purpose

Regulate the mining, minerals and petroleum sectors to promote economic growth, employment, transformation and sustainable development.

Objectives

- Improve the participation of historically disadvantaged South Africans in the mining sector and contribute to its transformation by:
 - issuing mining rights and permits to 360 historically disadvantaged South Africans over the medium term
 - monitoring and enforcing compliance with procurement requirements that relate to historically disadvantaged South Africans, as prescribed by the mining charter, on an ongoing basis.
- Monitor and enforce compliance with the statutory obligations of the Mineral and Petroleum Resources Development Act (2002) and the mining charter by conducting 636 social and labour plan verification inspections, 1 275 mine economic verification audits and 3 825 environmental verification inspections over the medium term.
- Ensure the development and transformation of the liquid fuels industry, and the security of supply of petroleum and petroleum products by monitoring and enforcing technical and economic compliance with legislation, specifications, standards and licence conditions annually.

- Facilitate the orderly operation of the petroleum sector through an analysis of fuel supply and the efficient adjudication of licences for manufacturing, wholesaling and retailing activities on an ongoing basis.
- Strengthen the regulatory framework in the liquid fuels petroleum industry by implementing the regulatory accounting system to introduce a transparent fuel pricing mechanism that will provide appropriate returns to investors in the liquid fuels sector across the value chain on an ongoing basis.
- Promote the sustainable use of resources and the environmentally sustainable management of mines over the medium term by supporting approved and evaluated work programmes, social and labour plans, and environmental management plans; and conducting 27 mining industry workshops over the medium term.

Subprogrammes

- *Minerals and Petroleum Management* provides overall management to the programme.
- *Mineral Regulation and Administration* administers and evaluates prospecting and mining rights and licensing. The subprogramme also makes transfers to the South African Diamond and Precious Metals Regulator, which implements and enforces the provisions of the Precious Metals Act (2005); and to Petroleum Agency South Africa, which regulates onshore and offshore oil and gas exploration and production activities.
- *Environmental Enforcement and Compliance* ensures that mining activities comply with the prescripts of the National Environmental Management Act (1998).
- *Petroleum Compliance Monitoring, Enforcement and Fuel Pricing* ensures technical, economic and legal compliance by the petroleum industry with the prescripts of the Petroleum Products Act (1977) and its regulations through monitoring and enforcement.
- *Petroleum Licensing and Fuel Supply* manages petroleum licensing, regulates import and export permits for petroleum products, monitors fuel stock levels, and ensures the security of fuel supply.

Expenditure trends and estimates

Table 34.7 Minerals and Petroleum Regulation expenditure trends and estimates by subprogramme and economic classification

Subprogramme	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	Average Expenditure/ Total (%)
	2016/17	2017/18	2018/19		2019/20	2016/17 - 2019/20	2020/21	2021/22	2022/23		
R million											
Minerals and Petroleum Management	16.8	16.7	23.5	32.2	24.3%	5.0%	33.2	35.0	36.4	4.2%	5.8%
Mineral Regulation and Administration	238.7	345.4	355.0	399.2	18.7%	74.4%	425.8	451.2	468.1	5.5%	74.1%
Environmental Enforcement and Compliance	6.7	12.4	15.1	16.0	33.4%	2.8%	17.3	18.4	19.1	6.2%	3.0%
Petroleum Compliance Monitoring, Enforcement and Fuel Pricing	21.6	18.8	19.3	25.7	6.0%	4.7%	26.5	28.0	29.4	4.6%	4.7%
Petroleum Licensing and Fuel Supply	57.4	55.9	57.8	64.7	4.0%	13.1%	71.9	76.0	79.7	7.2%	12.4%
Total	341.2	449.1	470.6	537.8	16.4%	100.0%	574.7	608.7	632.7	5.6%	100.0%
Change to 2019 Budget estimate				(0.9)			0.4	(1.9)	(0.8)		

Table 34.7 Minerals and Petroleum Regulation expenditure trends and estimates by subprogramme and economic classification

Economic classification	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	
	2016/17	2017/18	2018/19		2019/20	2016/17 - 2019/20	2020/21	2021/22	2022/23	2019/20 - 2022/23	2019/20 - 2022/23
R million											
Current payments	287.1	293.9	312.8	345.7	6.4%	68.9%	373.3	396.2	412.4	6.1%	64.9%
Compensation of employees	234.6	245.0	253.3	277.6	5.8%	56.2%	302.7	321.7	335.1	6.5%	52.5%
Goods and services ¹	52.5	48.9	59.5	68.1	9.1%	12.7%	70.6	74.6	77.3	4.3%	12.3%
<i>of which:</i>											
<i>Communication</i>	4.2	3.9	3.7	4.2	-0.3%	0.9%	4.6	4.8	5.0	6.1%	0.8%
<i>Computer services</i>	0.5	0.8	4.3	7.2	148.2%	0.7%	7.5	7.9	8.2	4.6%	1.3%
<i>Consultants: Business and advisory services</i>	10.6	8.9	10.2	13.1	7.3%	2.4%	13.2	13.9	14.6	3.6%	2.3%
<i>Fleet services (including government motor transport)</i>	3.5	3.9	5.1	4.3	7.4%	0.9%	4.6	4.8	5.0	5.2%	0.8%
<i>Travel and subsistence</i>	20.3	19.9	22.5	24.5	6.4%	4.9%	25.4	26.8	27.6	4.1%	4.4%
<i>Venues and facilities</i>	1.6	1.5	1.3	4.3	39.5%	0.5%	4.1	4.3	4.5	1.7%	0.7%
Transfers and subsidies¹	53.3	154.1	157.6	192.0	53.3%	31.0%	201.4	212.4	220.3	4.7%	35.1%
Departmental agencies and accounts	53.2	65.9	59.1	61.5	5.0%	13.3%	63.6	67.1	69.6	4.2%	11.1%
Foreign governments and international organisations	–	1.1	–	3.0	–	0.2%	3.2	3.4	3.5	4.9%	0.6%
Public corporations and private enterprises	–	87.1	98.4	127.4	–	17.4%	134.5	141.9	147.2	4.9%	23.4%
Households	0.1	–	0.0	–	-100.0%	–	–	–	–	–	–
Payments for capital assets	0.6	1.1	0.2	0.0	-58.6%	0.1%	0.0	0.0	0.1	5.2%	–
Machinery and equipment	0.6	1.1	0.2	0.0	-58.6%	0.1%	0.0	0.0	0.1	5.2%	–
Payments for financial assets	0.2	–	0.1	–	-100.0%	–	–	–	–	–	–
Total	341.2	449.1	470.6	537.8	16.4%	100.0%	574.7	608.7	632.7	5.6%	100.0%
Proportion of total programme expenditure to vote expenditure	3.7%	4.6%	5.2%	5.9%	–	–	6.2%	6.4%	6.0%	–	–
Details of selected transfers and subsidies											
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	53.2	65.9	59.1	61.5	5.0%	13.3%	63.6	67.1	69.6	4.2%	11.1%
South African Diamond and Precious Metals Regulator	53.2	65.9	59.1	61.5	5.0%	13.3%	63.6	67.1	69.6	4.2%	11.1%
Foreign governments and international organisations											
Current	–	1.1	–	3.0	–	0.2%	3.2	3.4	3.5	4.9%	0.6%
African Petroleum Producers' Association	–	1.1	–	3.0	–	0.2%	3.2	3.4	3.5	4.9%	0.6%
Public corporations and private enterprises											
Private enterprises											
Private enterprises (subsidies on products and production)											
Current	–	87.1	98.4	127.4	–	17.4%	134.5	141.9	147.2	4.9%	23.4%
Petroleum Agency South Africa	–	87.1	98.4	127.4	–	17.4%	134.5	141.9	147.2	4.9%	23.4%

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

Programme 3: Mining, Minerals and Energy Policy Development

Programme purpose

Formulate, maintain and implement integrated minerals and energy policies to promote and encourage investment in the mining and energy industry.

Objectives

- Promote investment in the mining, minerals and upstream petroleum sectors over the medium term by:
 - hosting 138 promotional and awareness activities or events for local and foreign investors
 - participating in local and international mining and petroleum conferences and events, engaging with stakeholders in various forums, and leading the implementation of key government priorities
 - ensuring the full implementation of plans for developing the oceans economy for oil and gas exploration through Operation Phakisa
 - ensuring the full implementation of the shale gas action plan through consultations, advocacy, research and promotional activities for shale gas exploration.

- Manage diplomatic imperatives and relations with foreign countries to benefit South Africa by establishing and implementing bilateral and multilateral partnerships for mining and upstream petroleum development on an ongoing basis.
- Promote the sustainable use and management of mineral resources over the medium term by participating in technical and strategic partnerships such as the intergovernmental forum on mining, minerals, metals and sustainable development; the Benguela Current Commission; and United Nations programmes.
- Improve energy security over the medium term by amending the Electricity Regulation Amendment Act (2007), the National Energy Regulator Amendment Act (2004) and the National Nuclear Regulator Act (1999).
- Implement the National Radioactive Waste Management Act (2012).

Subprogrammes

- *Mining, Minerals and Energy Policy Development Management* provides overall management to the programme.
- *Minerals and Petroleum Policy* develops and reviews policy and legislative frameworks for the mining, minerals and petroleum sectors; conducts research; and monitors the impact of policy implementation.
- *Nuclear, Electricity and Gas Policy* develops and reviews policy and legislative frameworks for the nuclear, electricity and gas sectors; conducts research; and monitors the impact of policy implementation.
- *Economic Analysis and Statistics* advises the department on trends in the mining and energy industries in order to attract investment.
- *Economic Growth, Promotion and Global Relations* promotes economic growth and investment in the sector. This subprogramme also makes transfers to the Council for Geoscience and the Council for Mineral Technology and Research (Mintek).
- *Mineral and Energy Planning* ensures the security of the supply of mineral and energy resources.

Expenditure trends and estimates

Table 34.8 Mining, Minerals and Energy Policy Development expenditure trends and estimates by subprogramme and economic classification

Subprogramme	Audited outcome			Adjusted appropriation 2019/20	Average growth rate (%) 2016/17 - 2019/20	Average: Expenditure/ Total (%) 2019/20	Medium-term expenditure estimate			Average growth rate (%) 2019/20 - 2022/23	Average: Expenditure/ Total (%) 2022/23
	2016/17	2017/18	2018/19				2020/21	2021/22	2022/23		
R million											
Mining, Minerals and Energy Policy Development Management	31.2	28.1	22.4	28.2	-3.2%	2.9%	28.2	29.8	31.1	3.3%	3.0%
Minerals and Petroleum Policy	38.0	28.7	34.6	30.4	-7.1%	3.5%	33.1	35.1	37.5	7.2%	3.5%
Nuclear, Electricity and Gas Policy	11.4	11.1	14.1	18.6	17.5%	1.5%	21.0	22.2	23.4	8.1%	2.2%
Economic Analysis and Statistics	6.1	5.1	5.9	8.5	11.8%	0.7%	8.6	9.1	10.3	6.5%	0.9%
Economic Growth, Promotion and Global Relations	793.5	786.3	888.6	910.2	4.7%	89.4%	876.3	768.8	821.1	-3.4%	87.5%
Minerals and Energy Planning	18.8	20.5	17.3	23.0	6.9%	2.1%	25.9	27.4	28.8	7.8%	2.7%
Total	899.0	879.9	982.8	1 018.9	4.3%	100.0%	993.1	892.6	952.2	-2.2%	100.0%
Change to 2019 Budget estimate				(9.8)			(69.6)	(20.6)	4.5		

Table 34.8 Mining, Minerals and Energy Policy 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 (%)
	2016/17	2017/18	2018/19				2019/20	2020/21	2021/22		
R million											
Current payments	160.2	144.1	155.8	170.6	2.1%	16.7%	181.3	192.4	203.3	6.0%	19.4%
Compensation of employees	99.1	103.3	108.4	114.5	4.9%	11.3%	126.8	134.7	143.5	7.8%	13.5%
Goods and services ¹	61.1	40.8	47.4	56.1	-2.8%	5.4%	54.5	57.6	59.8	2.2%	5.9%
of which:											
Administrative fees	2.1	1.0	0.8	4.1	24.0%	0.2%	3.5	3.8	3.9	-1.3%	0.4%
Advertising	3.3	5.7	0.9	4.4	9.5%	0.4%	3.3	3.4	3.3	-8.7%	0.4%
Consultants: Business and advisory services	5.8	3.0	0.4	8.2	12.8%	0.5%	9.6	10.2	10.6	8.7%	1.0%
Travel and subsistence	16.4	11.4	13.0	16.9	1.0%	1.5%	15.5	16.5	17.2	0.6%	1.7%
Operating payments	20.7	7.3	3.6	7.8	-27.7%	1.0%	7.4	7.9	8.2	1.6%	0.8%
Venues and facilities	4.6	(0.7)	6.8	4.2	-3.6%	0.4%	4.1	4.3	4.5	2.5%	0.4%
Transfers and subsidies¹	738.2	735.1	826.9	848.2	4.7%	83.3%	811.7	700.1	748.8	-4.1%	80.6%
Departmental agencies and accounts	378.6	367.0	406.0	414.1	3.0%	41.4%	499.8	371.4	407.9	-0.5%	43.9%
Foreign governments and international organisations	3.0	0.8	0.6	0.8	-36.4%	0.1%	0.8	0.9	0.9	5.3%	0.1%
Public corporations and private enterprises	356.6	367.3	420.4	433.4	6.7%	41.7%	311.1	327.8	340.0	-7.8%	36.6%
Households	–	0.0	0.0	–	–	–	–	–	–	–	–
Payments for capital assets	0.5	0.7	0.0	0.1	-43.7%	–	0.1	0.1	0.1	5.7%	–
Machinery and equipment	0.5	0.7	0.0	0.1	-43.7%	–	0.1	0.1	0.1	5.7%	–
Payments for financial assets	0.0	–	0.0	–	-100.0%	–	–	–	–	–	–
Total	899.0	879.9	982.8	1 018.9	4.3%	100.0%	993.1	892.6	952.2	-2.2%	100.0%
Proportion of total programme expenditure to vote expenditure	9.8%	9.1%	11.0%	11.1%	–	–	10.6%	9.3%	9.0%	–	–
Details of selected transfers and subsidies											
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	341.7	331.6	402.7	410.6	6.3%	39.3%	496.1	367.5	407.9	-0.2%	43.6%
Council for Geoscience	341.7	330.6	311.6	410.6	6.3%	36.9%	496.1	367.5	407.9	-0.2%	43.6%
Council for Geoscience: Economic competitiveness and support package	–	–	90.0	–	–	2.4%	–	–	–	–	–
Council for Geoscience: Expanded public works programme	–	1.0	1.0	–	–	0.1%	–	–	–	–	–
Capital	36.9	35.4	3.3	3.5	-54.4%	2.1%	3.7	3.9	–	-100.0%	0.3%
Council for Geoscience	36.9	35.4	3.3	3.5	-54.4%	2.1%	3.7	3.9	–	-100.0%	0.3%
Public corporations and private enterprises											
Public corporations											
Other transfers to public corporations											
Current	315.2	310.7	389.2	370.2	5.5%	36.6%	276.8	291.6	302.4	-6.5%	32.2%
Mintek	315.2	310.7	319.2	370.2	5.5%	34.8%	276.8	291.6	302.4	-6.5%	32.2%
Mintek: Economic competitiveness and support package	–	–	70.0	–	–	1.9%	–	–	–	–	–
Capital	41.3	56.6	31.2	63.2	15.3%	5.1%	34.3	36.2	37.5	-15.9%	4.4%
Mintek	41.3	56.6	31.2	63.2	15.3%	5.1%	34.3	36.2	37.5	-15.9%	4.4%

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

Programme 4: Mine Health and Safety Inspectorate

Programme purpose

Ensure the health and safety of employees in the mining sector.

Objectives

- Promote health and safety by:
 - reducing occupational fatalities by 20 per cent, occupational injuries by 20 per cent and occupational diseases by 10 per cent over the medium term
 - implementing the occupational and health and safety improvement strategy, and enforcing guidelines on an ongoing basis

- conducting investigations, inspections and audits on an ongoing basis.
- Contribute to skills development in the mining sector by implementing, monitoring and evaluating the certificate of competency model on an ongoing basis.
- Improve health care in the mining sector on an ongoing basis by ensuring:
 - 80 per cent adherence to prescribed timeframes for resolving medical appeals
 - 100 per cent adherence to timelines for appeals to the chief inspector of mines
 - 100 per cent adherence to timelines for applications in terms of the Mineral and Petroleum Resources Development Act (2002).

Subprogrammes

- *Mine Health and Safety Management* provides overall management to the programme.
- *Mine Health and Safety Regions* develops strategies to reduce occupational diseases and injuries in the mining sector, and conducts audits and inspections.
- *Occupational Health* will establish an occupational health centre to provide specialist services to the mine health and safety inspectorate, with particular focus on regional components. This subprogramme also makes transfers to the Mine Health and Safety Council, which is tasked with promoting a culture of health and safety in the mining sector.

Expenditure trends and estimates

Table 34.9 Mine Health and Safety Inspectorate 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 (%)
	2016/17	2017/18	2018/19				2019/20	2020/21	2021/22		
R million											
Mine Health and Safety Management	35.9	40.9	40.5	59.8	18.6%	21.3%	56.0	64.0	66.4	3.6%	25.4%
Mine Health and Safety Regions	143.1	152.5	156.6	148.7	1.3%	72.2%	159.5	169.6	176.0	5.8%	67.3%
Occupational Health	12.3	12.0	13.2	16.3	9.8%	6.5%	17.3	18.4	19.1	5.5%	7.3%
Total	191.3	205.4	210.3	224.8	5.5%	100.0%	232.7	252.0	261.5	5.2%	100.0%
Change to 2019 Budget estimate				4.2			(0.0)	(0.1)	(0.1)		
Economic classification											
Current payments	188.4	196.1	203.1	217.6	4.9%	96.8%	229.4	244.1	253.3	5.2%	97.3%
Compensation of employees	158.0	165.9	171.1	182.5	4.9%	81.5%	192.4	205.1	212.8	5.2%	81.7%
Goods and services ¹	30.3	30.2	32.0	35.1	4.9%	15.3%	37.0	39.0	40.5	4.9%	15.6%
<i>of which:</i>											
Communication	2.9	0.5	1.1	1.2	-24.3%	0.7%	1.3	1.4	1.4	5.0%	0.6%
Computer services	–	–	0.0	1.0	–	0.1%	1.0	1.0	1.1	4.6%	0.4%
Consultants: Business and advisory services	1.4	0.5	0.3	2.2	16.2%	0.5%	2.3	2.4	2.5	4.6%	1.0%
Fleet services (including government motor transport)	0.3	0.3	0.4	3.2	128.2%	0.5%	3.4	3.6	3.7	5.0%	1.4%
Consumables: Stationery, printing and office supplies	0.9	0.7	0.8	2.3	38.4%	0.6%	2.5	2.6	2.7	4.9%	1.0%
Travel and subsistence	22.7	25.8	27.0	20.3	-3.7%	11.5%	21.4	22.6	23.5	4.9%	9.0%
Transfers and subsidies ¹	1.7	7.9	6.7	6.4	54.9%	2.7%	2.4	7.0	7.3	4.6%	2.4%
Departmental agencies and accounts	1.7	7.9	6.7	6.4	54.9%	2.7%	2.4	7.0	7.3	4.6%	2.4%
Payments for capital assets	0.3	1.4	0.1	0.8	40.1%	0.3%	0.8	0.9	0.9	5.6%	0.3%
Machinery and equipment	0.3	1.4	0.1	0.8	40.1%	0.3%	0.8	0.9	0.9	5.6%	0.3%
Payments for financial assets	0.9	–	0.5	–	-100.0%	0.2%	–	–	–	–	–
Total	191.3	205.4	210.3	224.8	5.5%	100.0%	232.7	252.0	261.5	5.2%	100.0%
Proportion of total programme expenditure to vote expenditure	2.1%	2.1%	2.3%	2.4%	–	–	2.5%	2.6%	2.5%	–	–
Details of selected transfers and subsidies											
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	1.7	7.9	6.7	6.4	54.9%	2.7%	2.4	7.0	7.3	4.6%	2.4%
Mine Health and Safety Council	–	6.2	4.8	4.4	–	1.8%	0.3	4.8	5.0	4.3%	1.5%
Mining Qualifications Authority	1.7	1.7	1.9	2.0	5.2%	0.9%	2.1	2.2	2.3	5.2%	0.9%

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

Programme 5: Mineral Resources and Energy Programmes and Projects

Programme purpose

Manage, coordinate and monitor programmes and projects focused on access to mineral and energy resources.

Objectives

- Increase access to electricity by managing the funding and monitoring of the implementation of the integrated national electrification programme on an ongoing basis.
- Increase public awareness on energy issues while empowering disadvantaged and vulnerable groups by identifying, implementing, managing and coordinating upliftment programmes and projects on an ongoing basis.
- Ensure the efficient management of electricity supply on an ongoing basis by:
 - enhancing the application of business principles for project management to assist programme and project managers
 - coordinating, monitoring and reporting on the implementation of programmes and projects focused on the development, improvement and transformation of the energy generation, refinement, transmission and distribution industry and its infrastructure.
- Promote the sustainable use and management of mineral and energy resources over the medium term by:
 - rehabilitating 129 derelict and ownerless mines
 - providing marginal mines with subsidies for water management solutions
 - managing the funding and monitoring of the *energy efficiency and demand-side management grant* to municipalities.

Subprogrammes

- *Programmes and Projects Management* provides overall management to the programme.
- *Integrated National Electrification Programme* oversees and manages the financing and implementation processes for the electrification programme; and makes transfers to Eskom, municipalities and private providers.
- *Programmes and Projects Management Office* provides specialised assistance to management to apply management principles, coordinate project information and report on projects.
- *Regional Programmes and Projects Management Office* provides regional energy-related advisory services.
- *Electricity Infrastructure and Industry Transformation* oversees programmes and projects focused on the development, improvement and transformation of the electricity generation, transmission and distribution sector, and independent power producers.
- *Energy Efficiency Projects* advances energy efficiency in South Africa through planning and coordinating initiatives and interventions focused on the energy efficiency market. This subprogramme also makes transfers in respect of municipal energy efficiency programmes.
- *Renewable Energy Projects* ensures the integration of renewable energy into South Africa's mainstream energy supply through planning and coordinating initiatives and interventions focused on the renewable energy market. This subprogramme also makes transfers to the South African National Energy Development Institute.
- *Environmental Management Projects* provides strategic guidance on environmental management and climate change. It also assists mines to prevent the uncontrolled movement of water into and out of underground mine openings and holdings.

Expenditure trends and estimates

Table 34.10 Mineral and Energy Resources Programmes and Projects 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 (%)
	2016/17	2017/18	2018/19				2019/20	2020/21	2021/22		
R million											
Programmes and Projects Management	2.4	1.9	2.3	5.1	28.0%	-	3.7	3.9	4.1	-6.9%	0.1%
Integrated National Electrification Programme	5 630.6	6 111.2	5 321.0	5 234.6	-2.4%	90.6%	5 116.5	5 258.4	6 075.9	5.1%	89.1%
Programmes and Projects Management Office	38.4	29.9	33.3	50.9	9.8%	0.6%	66.6	70.4	71.6	12.1%	1.1%
Regional Programmes and Projects Management Office	19.7	18.3	20.2	20.9	2.2%	0.3%	22.1	23.4	26.2	7.7%	0.4%
Electricity Infrastructure and Industry Transformation	5.6	8.4	6.1	6.9	7.4%	0.1%	9.1	9.7	10.2	14.0%	0.1%
Energy Efficiency Projects	527.1	537.5	344.8	318.9	-15.4%	7.0%	326.1	344.0	360.7	4.2%	5.5%
Renewable Energy Projects	25.2	64.2	75.8	80.1	46.9%	1.0%	85.7	90.5	94.9	5.8%	1.4%
Environmental Management Projects	9.4	16.8	11.0	23.6	35.7%	0.2%	168.2	177.5	186.1	99.1%	2.3%
Total	6 258.5	6 788.1	5 814.5	5 740.9	-2.8%	100.0%	5 798.1	5 977.7	6 829.7	6.0%	100.0%
Change to 2019 Budget estimate				(250.4)			(76.8)	(846.6)	(300.5)		
Economic classification											
Current payments	119.2	196.3	226.4	205.9	20.0%	3.0%	240.7	244.7	256.4	7.6%	3.9%
Compensation of employees	75.6	76.7	83.5	91.7	6.7%	1.3%	103.9	109.8	116.9	8.4%	1.7%
Goods and services ¹	43.6	119.6	142.9	114.2	37.9%	1.7%	136.7	134.9	139.4	6.9%	2.2%
<i>of which:</i>											
Computer services	-	-	-	-	-	-	3.2	3.3	1.2	-	-
Consultants: Business and advisory services	7.8	0.7	7.3	69.6	107.3%	0.3%	93.6	89.6	92.0	9.7%	1.4%
Contractors	0.7	3.0	4.4	10.2	149.3%	0.1%	3.1	3.3	3.4	-30.4%	0.1%
Agency and support/outsourced services	1.1	-	-	-	-100.0%	-	10.6	11.2	11.6	-	0.1%
Travel and subsistence	16.2	12.4	14.6	14.1	-4.7%	0.2%	15.3	16.1	19.2	10.9%	0.3%
Venues and facilities	6.1	9.5	2.1	2.6	-24.4%	0.1%	4.3	4.6	4.8	21.8%	0.1%
Transfers and subsidies¹	6 139.1	6 591.7	5 588.1	5 535.0	-3.4%	97.0%	5 557.3	5 732.9	6 573.2	5.9%	96.1%
Provinces and municipalities	2 131.9	2 290.3	2 119.5	2 090.4	-0.7%	35.1%	2 076.7	2 233.1	2 362.0	4.2%	36.0%
Departmental agencies and accounts	20.6	59.8	70.2	74.2	53.2%	0.9%	99.4	104.8	109.6	13.9%	1.6%
Foreign governments and international organisations	2.2	1.0	1.5	2.9	9.4%	-	3.1	3.2	3.4	4.9%	0.1%
Public corporations and private enterprises	3 984.4	4 240.6	3 396.6	3 367.5	-5.5%	60.9%	3 378.2	3 391.7	4 098.3	6.8%	58.5%
Households	0.0	0.0	0.3	-	-100.0%	-	-	-	-	-	-
Payments for capital assets	0.1	0.2	0.0	0.1	-19.0%	-	0.1	0.1	0.1	6.0%	-
Machinery and equipment	0.1	0.2	0.0	0.1	-19.0%	-	0.1	0.1	0.1	6.0%	-
Payments for financial assets	0.0	-	-	-	-100.0%	-	-	-	-	-	-
Total	6 258.5	6 788.1	5 814.5	5 740.9	-2.8%	100.0%	5 798.1	5 977.7	6 829.7	6.0%	100.0%
Proportion of total programme expenditure to vote expenditure	68.2%	69.8%	64.8%	62.5%	-	-	62.1%	62.5%	64.5%	-	-
Details of selected transfers and subsidies											
Provinces and municipalities											
Municipalities											
Municipal bank accounts											
Current	185.6	203.2	215.0	227.1	6.9%	3.4%	218.0	230.0	243.3	2.3%	3.8%
Energy Efficiency and Demand-Side Management Grant	185.6	203.2	215.0	227.1	6.9%	3.4%	218.0	230.0	243.3	2.3%	3.8%
Capital	1 946.2	2 087.0	1 904.5	1 863.3	-1.4%	31.7%	1 858.8	2 003.2	2 118.7	4.4%	32.2%
Integrated National Electrification Programme Grant	1 946.2	2 087.0	1 904.5	1 863.3	-1.4%	31.7%	1 858.8	2 003.2	2 118.7	4.4%	32.2%
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	20.6	59.8	70.2	74.2	53.2%	0.9%	99.4	104.8	109.6	13.9%	1.6%
Council for Geoscience	-	-	-	-	-	-	21.2	22.3	23.2	-	0.3%
South African National Energy Development Institute	20.6	59.8	70.2	74.2	53.2%	0.9%	78.2	82.5	86.5	5.3%	1.3%

Table 34.10 Mineral and Energy Resources Programmes and Projects expenditure trends and estimates by subprogramme and economic classification

Details of selected transfers and subsidies	Audited outcome			Adjusted appropriation	Average growth rate (%)		Medium-term expenditure estimate			Average growth rate (%)	Average Expenditure/ Total (%)
	2016/17	2017/18	2018/19		2019/20	2016/17 - 2019/20	2020/21	2021/22	2022/23		
R million											
Public corporations and private enterprises											
Public corporations											
Other transfers to public corporations											
Current	–	–	–	2.6	–	–	124.1	130.9	135.8	272.2%	1.6%
Mintek	–	–	–	–	–	–	121.3	128.0	132.7	–	1.6%
Mintek: Expanded public works programme	–	–	–	2.6	–	–	2.8	2.9	3.0	4.9%	–
Foreign governments and international organisations											
Current	2.2	1.0	1.5	2.9	9.4%	–	3.1	3.2	3.4	4.9%	0.1%
International Energy Forum	–	–	0.4	0.4	–	–	0.4	0.4	0.4	5.3%	–
International Renewable Energy Agency	2.2	1.0	1.2	1.2	-18.5%	–	1.3	1.3	1.4	5.3%	–
International Partnership for Energy Efficiency Cooperation	–	–	–	1.3	–	–	1.4	1.5	1.5	4.5%	–
Public corporations and private enterprises											
Private enterprises											
Other transfers to private enterprises											
Capital	137.7	159.0	134.6	212.9	15.6%	2.6%	220.2	232.3	238.5	3.9%	3.7%
Various institutions: Integrated National Electrification Programme	137.7	159.0	134.6	212.9	15.6%	2.6%	220.2	232.3	238.5	3.9%	3.7%
Public corporations and private enterprises											
Private enterprises											
Private enterprises (subsidies on products and production)											
Current	–	–	–	6.2	–	–	6.5	6.9	7.1	4.8%	0.1%
Various institutions: Water management solutions subsidies for marginal mines	–	–	–	6.2	–	–	6.5	6.9	7.1	4.8%	0.1%
Public corporations and private enterprises											
Public corporations											
Public corporations (subsidies on products and production)											
Current	–	–	–	21.7	–	0.1%	25.9	27.4	28.7	9.8%	0.4%
Industrial Development Corporation	–	–	–	21.7	–	0.1%	25.9	27.4	28.7	9.8%	0.4%
Capital	3 846.6	4 081.6	3 262.0	3 124.1	-6.7%	58.2%	3 001.5	2 994.3	3 688.2	5.7%	52.6%
Eskom	3 526.3	3 846.2	3 262.0	3 124.1	-4.0%	55.9%	3 001.5	2 994.3	3 688.2	5.7%	52.6%
Various institutions: Solar Water Heater Project	320.3	235.5	–	–	-100.0%	2.3%	–	–	–	–	–

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

Programme 6: Nuclear Energy Regulation and Management

Programme purpose

Manage the South African nuclear energy industry and control nuclear materials in terms of international obligations, nuclear legislation and policies to ensure the peaceful use of nuclear energy.

Objectives

- Ensure compliance with international nuclear obligations by applying the relevant statutory frameworks and following the guidelines of the International Atomic Energy Agency for best international practices on an ongoing basis.
- Regulate the security of nuclear material, related equipment and facilities by developing and publishing appropriate regulations on an ongoing basis.
- Conduct awareness workshops and training courses, and participate in regional and international forums to enhance compliance with legislation and international obligations on an ongoing basis.

Subprogrammes

- *Nuclear Energy Management* provides overall management to the programme.
- *Nuclear Safety and Technology* manages and implements all matters related to nuclear safety and

technology as required by legislation and international agreements; implements nuclear energy policy in line with the requirements of the integrated resource plan; and administers all matters related to nuclear technology, safety, liability and emergency management with the aim of improving the governance of the nuclear sector. This subprogramme also makes transfers to the South African Nuclear Energy Corporation and the National Nuclear Regulator and the National Radioactive Waste Disposal Institute; and is responsible for paying membership fees to international organisations.

- *Nuclear Non-proliferation and Radiation Security* manages and implements all matters related to nuclear non-proliferation and radiation security, as required by legislation and international agreements. It also administers the use of nuclear material, related equipment and facilities, including nuclear technology, to ensure compliance with legislation and international agreements.

Expenditure trends and estimates

Table 34.11 Nuclear Energy Regulation and Management 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 (%)
	2016/17	2017/18	2018/19				2019/20	2020/21	2021/22		
R million											
Nuclear Energy Management	4.4	4.7	3.3	3.6	-6.6%	0.4%	3.8	4.0	4.2	5.6%	0.3%
Nuclear Safety and Technology	859.0	780.8	857.7	1 025.4	6.1%	98.6%	1 081.5	1 140.4	1 183.2	4.9%	98.7%
Nuclear Non-Proliferation and Radiation Security	8.3	8.4	9.0	9.5	4.6%	1.0%	10.8	11.4	12.1	8.2%	1.0%
Total	871.7	793.9	870.0	1 038.5	6.0%	100.0%	1 096.1	1 155.8	1 199.5	4.9%	100.0%
Change to 2019				(0.8)			0.3	(0.6)	(0.3)		
Budget estimate											
Economic classification											
Current payments	103.3	38.5	54.5	34.8	-30.5%	6.5%	37.8	39.9	41.0	5.7%	3.4%
Compensation of employees	19.4	20.3	21.6	24.3	7.8%	2.4%	26.8	28.2	29.6	6.8%	2.4%
Goods and services ¹	83.9	18.2	32.9	10.4	-50.1%	4.1%	11.0	11.6	11.4	3.1%	1.0%
of which:											
Administrative fees	0.1	0.2	0.1	0.2	8.1%	–	0.1	0.1	0.1	-6.2%	–
Advertising	0.1	0.0	0.2	0.2	23.4%	–	0.3	0.4	0.4	26.8%	–
Communication	0.3	0.8	0.4	0.3	-4.0%	0.1%	0.3	0.3	0.4	4.6%	–
Consultants: Business and advisory services	78.5	13.3	29.9	7.5	-54.3%	3.6%	8.1	8.5	8.2	3.0%	0.7%
Travel and subsistence	2.3	2.2	1.9	1.7	-9.3%	0.2%	1.7	1.8	1.8	2.9%	0.2%
Venues and facilities	1.3	0.8	0.2	0.4	-32.5%	0.1%	0.3	0.3	0.3	-7.3%	–
Transfers and subsidies¹	670.0	755.4	769.1	1 003.8	14.4%	89.5%	1 058.3	1 115.9	1 158.5	4.9%	96.6%
Departmental agencies and accounts	50.9	68.6	62.0	90.6	21.2%	7.6%	94.9	99.5	103.8	4.6%	8.7%
Foreign governments and international organisations	19.8	22.7	24.3	22.8	4.8%	2.5%	24.0	25.3	26.3	4.9%	2.2%
Public corporations and private enterprises	599.3	664.2	682.7	890.4	14.1%	79.4%	939.4	991.1	1 028.4	4.9%	85.7%
Payments for capital assets	98.4	–	46.4	–	-100.0%	4.1%	–	–	–	–	–
Machinery and equipment	11.0	–	–	–	-100.0%	0.3%	–	–	–	–	–
Software and other intangible assets	87.3	–	46.4	–	-100.0%	3.7%	–	–	–	–	–
Total	871.7	793.9	870.0	1 038.5	6.0%	100.0%	1 096.1	1 155.8	1 199.5	4.9%	100.0%
Proportion of total programme expenditure to vote expenditure	9.5%	8.2%	9.7%	11.3%	–	–	11.7%	12.1%	11.3%	–	–
Details of selected transfers and subsidies											
Departmental agencies and accounts											
Departmental agencies (non-business entities)											
Current	50.5	68.2	61.6	90.1	21.3%	7.6%	94.4	99.0	103.3	4.6%	8.6%
National Nuclear Regulator	40.5	38.2	16.1	42.6	1.7%	3.8%	45.0	47.4	49.2	4.9%	4.1%
National Radioactive Waste Disposal Institute	10.0	30.0	45.5	47.5	68.1%	3.7%	49.4	51.6	54.0	4.4%	4.5%
Capital	0.4	0.4	0.4	0.5	5.5%	–	0.5	0.5	0.5	4.9%	–
National Nuclear Regulator	0.4	0.4	0.4	0.5	5.5%	–	0.5	0.5	0.5	4.9%	–
Public corporations and private enterprises											
Public corporations											
Other transfers to public corporations											
Current	513.5	574.0	587.3	789.7	15.4%	69.0%	923.2	974.0	1 010.7	8.6%	82.4%
South African Nuclear Energy Corporation	513.5	574.0	587.3	789.7	15.4%	69.0%	923.2	974.0	1 010.7	8.6%	82.4%
Capital	85.9	90.2	95.4	100.7	5.5%	10.4%	16.2	17.1	17.7	-44.0%	3.4%
South African Nuclear Energy Corporation	85.9	90.2	95.4	100.7	5.5%	10.4%	16.2	17.1	17.7	-44.0%	3.4%
Foreign governments and international organisations											
Current	19.8	22.7	24.3	22.8	4.8%	2.5%	24.0	25.3	26.3	4.9%	2.2%
International Atomic Energy Agency	19.8	22.7	24.3	22.8	4.8%	2.5%	24.0	25.3	26.3	4.9%	2.2%

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

Entities

Central Energy Fund

Selected performance indicators

Table 34.12 Central Energy Fund performance indicators by programme/objective/activity and related priority

Indicator	Programme/Objective/Activity	MTSF priority	Past			Current	Projections		
			2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Total indigenous production of fuel supplied to the market per year (million barrels)	Oil and gas, national oil company		2.766	6.286	4.000	- ¹	- ¹	- ¹	- ¹
Number of reportable environmental incidents at the Central Energy Fund group per year	Oil and gas, national oil company	Entity mandate	5	2	7	10	10	10	10
Number of tons (measured per thousand) of coal produced/sold at Vlakfontein by the African Exploration Mining and Finance Corporation per year	Mining, coal		1 389	1 400	2 100	3 000	4 000	5 000	6 000

1. Indicator discontinued.

Entity overview

The Central Energy Fund is listed in schedule 2 of the Public Finance Management Act (1999), and is governed by the Central Energy Fund Act (1977) and the Companies Act (2008). Its mandate is to research, finance, develop and exploit appropriate energy solutions to contribute to South Africa's security of energy supply. Through its subsidiaries, the fund is also mandated to finance and promote the acquisition of coal; exploit coal deposits; manufacture liquid fuel, oil and other products from coal; market these products; and acquire, generate, manufacture, market, distribute or research any other form of energy. The fund's subsidiaries are: the Petroleum Oil and Gas Corporation of South Africa; the South African Gas Development Company; Petroleum Agency South Africa; Oil Pollution Control South Africa; the Strategic Fuel Fund; African Exploration Mining Finance Corporation; and ETA Energy and CCE Solutions.

Over the medium term, the fund will focus on sustaining and improving its liquidity and solvency in its efforts to return to commercial viability. Initiatives expected to improve profitability include new business development and expansions for revenue growth, and the optimisation of feedstock for the gas-to-liquid facility. The fund will also aim to reduce operating costs, improve liquidity through working capital management, and dispose of non-core assets.

Total expenditure is expected to increase from R15.7 billion in 2019/20 to R16.9 billion in 2022/23 at an average annual rate of 2.4 per cent, mainly driven by the planned increase in production at the African Exploration Mining Finance Corporation and the Petroleum Oil and Gas Corporation of South Africa. Research and development costs and consulting fees are also expected to increase as the fund embarks on certain commercial projects.

The fund generates revenue almost entirely through commercial activities. Total revenue is expected to increase from R16.9 billion in 2019/20 to R17.3 billion in 2022/23 at an average annual rate of 0.9 per cent, driven mainly by the expected increase in sales for the Petroleum Oil and Gas Corporation of South Africa and the African Exploration Mining Finance Corporation, as well as increased income from dividends and interest.

Programmes/Objectives/Activities

Table 34.13 CEF (Pty) Ltd expenditure trends and estimates by programme/objective/activity

R million	Audited outcome			Revised estimate 2019/20	Average growth rate (%) 2016/17 - 2019/20	Average: Expenditure/ Total (%)	Medium-term expenditure estimate			Average growth rate (%) 2019/20 - 2022/23	Average: Expenditure/ Total (%)
	2016/17	2017/18	2018/19				2020/21	2021/22	2022/23		
Administration	113.0	201.7	195.3	340.6	44.4%	1.4%	358.2	376.5	394.2	5.0%	2.1%
Clean and renewable energy	16.3	22.0	1.5	201.8	131.5%	0.4%	1.9	2.0	2.1	-78.1%	0.3%
Oil and gas, national oil company	12 392.2	12 077.7	14 997.9	13 504.3	2.9%	88.6%	15 124.4	14 801.2	13 346.9	-0.4%	82.6%
Strategic stock and oil pollution control	704.0	706.1	483.0	506.5	-10.4%	4.1%	394.2	418.8	445.6	-4.2%	2.6%
Mining, coal	424.6	521.1	703.3	883.4	27.7%	4.2%	1 726.9	2 008.5	2 368.1	38.9%	10.1%
Gas and gas infrastructure	41.8	35.7	37.0	104.8	35.8%	0.4%	227.5	195.9	95.0	-3.2%	0.9%
Promotion, licensing and regulation	112.4	113.6	116.8	203.4	21.9%	0.9%	222.7	236.0	240.2	5.7%	1.3%
Total	13 804.3	13 677.9	16 534.7	15 744.8	4.5%	100.0%	18 055.8	18 038.9	16 892.1	2.4%	100.0%

Statements of historical financial performance, cash flow and financial position

Table 34.14 CEF (Pty) Ltd statements of historical financial performance, cash flow and financial position

Statement of financial performance									
R million	Audited outcome		Audited outcome		Audited outcome		Revised estimate		Average: Outcome/ Budget (%) 2016/17 - 2019/20
	Budget	Budget	Budget	Budget	Budget estimate	Revised estimate			
	2016/17	2017/18	2018/19	2019/20					
Revenue									
Non-tax revenue	18 213.9	13 183.4	18 104.1	13 544.7	13 211.2	16 064.1	20 006.1	16 873.1	85.8%
Sale of goods and services other than capital assets	17 344.3	11 940.1	17 261.5	12 131.0	12 198.3	14 491.9	18 666.3	15 388.9	82.4%
<i>of which:</i>									
<i>Sales by market establishment</i>	17 344.3	11 940.1	17 261.5	12 131.0	12 198.3	14 491.9	18 666.3	15 388.9	82.4%
Other non-tax revenue	869.6	1 243.3	842.6	1 413.7	1 012.9	1 572.3	1 339.8	1 484.2	140.6%
Total revenue	18 213.9	13 183.4	18 104.1	14 031.7	13 211.2	16 064.1	20 006.1	16 873.1	86.5%
Expenses									
Current expenses	17 788.5	13 502.8	18 703.6	13 612.2	13 638.4	15 755.0	19 123.2	15 488.7	84.3%
Compensation of employees	1 080.3	1 366.4	1 620.3	1 475.9	1 600.3	1 624.8	1 690.8	1 837.1	105.2%
Goods and services	15 566.4	10 414.4	16 789.7	10 514.4	11 706.7	13 521.4	17 256.8	13 346.7	77.9%
Depreciation	1 007.4	1 127.4	91.8	1 048.2	100.2	73.9	108.7	81.1	178.1%
Interest, dividends and rent on land	134.4	594.7	201.9	573.6	231.3	535.0	67.0	223.7	303.7%
Total expenses	17 816.4	13 804.3	18 769.1	13 677.9	13 761.6	16 534.7	19 331.3	15 744.8	85.8%
Surplus/(Deficit)	397.5	(620.8)	(665.0)	353.9	(550.4)	(470.6)	674.8	1 128.3	
Cash flow statement									
Cash flow from operating activities	2 295.1	1 237.6	2 988.2	2 468.2	730.9	1 642.8	899.6	2 212.4	109.4%
Receipts									
Non-tax receipts	18 038.0	17 556.7	21 559.1	21 221.4	12 922.4	12 558.1	19 349.3	17 086.4	95.2%
Sales of goods and services other than capital assets	17 168.4	16 391.7	20 663.2	19 815.6	12 062.3	10 905.9	18 470.9	15 840.9	92.1%
<i>Other sales</i>	17 168.4	16 391.7	20 663.2	19 815.6	12 062.3	10 905.9	18 470.9	15 840.9	92.1%
Other tax receipts	869.6	1 165.0	895.9	1 405.8	860.1	1 652.1	878.5	1 245.5	156.1%
Total receipts	18 038.0	17 556.7	21 559.1	21 221.4	12 922.4	12 558.1	19 349.3	17 086.4	95.2%
Payment									
Current payments	15 742.9	16 207.1	18 571.0	18 572.3	12 093.6	10 786.4	18 239.5	14 617.3	93.1%
Compensation of employees	1 080.3	1 080.3	1 157.8	1 157.8	890.9	1 626.5	933.0	1 837.1	140.4%
Goods and services	14 528.2	14 983.9	17 280.4	17 280.4	11 000.9	9 003.1	17 271.3	12 585.1	89.6%
Interest and rent on land	134.4	142.9	132.8	134.2	201.8	156.9	35.2	195.0	124.7%
Total payments	15 742.9	16 319.1	18 571.0	18 753.2	12 191.5	10 915.3	18 449.7	14 874.0	93.7%
Net cash flow from investing activities	(2 376.7)	(623.7)	(4 255.9)	(284.9)	(2 220.0)	(1 139.0)	(1 344.0)	(3 223.7)	51.7%
Acquisition of property, plant, equipment and intangible assets	(987.8)	(810.0)	(1 267.6)	(250.9)	(1 761.4)	(1 064.8)	(1 171.4)	(2 939.4)	97.6%
Acquisition of software and other intangible assets	(1 394.4)	(42.9)	(2 811.5)	(28.8)	(188.1)	(36.8)	(210.4)	(164.1)	5.9%
Proceeds from the sale of property, plant, equipment and intangible assets	-	76.5	-	-	-	0.3	-	-	-
Other flows from investing activities	5.6	152.7	(176.8)	(5.1)	(270.4)	(37.6)	37.8	(120.2)	2.5%

Table 34.14 CEF (Pty) Ltd statements of historical financial performance, cash flow and financial position

Statement of financial performance		Budget		Audited outcome		Budget		Audited outcome		Budget estimate		Revised estimate		Average: Outcome/Budget (%)
		2016/17		2017/18		2018/19		2019/20		2019/20		2019/20		2016/17 - 2019/20
R million														
Net cash flow from financing activities		537.3	(238.0)	1 136.0	(173.7)	291.3	335.7	314.5	(8.5)					-3.7%
Borrowing activities		537.3	(302.1)	1 136.0	(122.5)	190.2	204.4	(133.5)	(8.5)					-13.2%
Repayment of finance leases		-	-	-	(37.7)	-	129.5	-	-					-
Other flows from financing activities		-	64.1	-	(13.5)	101.0	1.8	448.0	-					9.5%
Net increase/(decrease) in cash and cash equivalents		455.7	376.0	(131.7)	2 009.6	(1 197.8)	839.5	(129.9)	(1 019.8)					
Statement of financial position														
Carrying value of assets		14 031.2	11 408.7	17 390.7	9 119.0	9 257.3	10 670.8	9 476.0	11 573.4					85.3%
Acquisition of assets		(987.8)	(810.0)	(1 267.6)	(250.9)	(1 761.4)	(1 064.8)	(1 171.4)	(2 939.4)					97.6%
Investments		5 636.4	1 092.7	5 775.3	2 047.7	1 558.8	2 236.2	1 636.7	3 581.7					61.3%
Inventory		1 986.1	2 749.8	2 216.9	1 763.4	3 043.3	2 273.7	3 170.4	2 887.1					92.9%
Loans		-	32.8	-	46.6	70.5	51.6	75.8	44.4					119.9%
Receivables and prepayments		1 575.9	2 202.1	1 964.2	2 152.9	1 125.5	3 196.2	1 667.2	1 388.2					141.2%
Cash and cash equivalents		8 799.1	15 694.8	8 667.4	17 186.0	16 635.5	18 924.6	16 633.6	14 743.4					131.2%
Non-current assets held for sale		36.0	88.6	-	34.3	16.0	14.8	-	-					265.0%
Taxation		4.9	349.7	5.5	586.3	-	624.0	-	5.2					14 944.8%
Total assets		32 069.6	33 619.1	36 020.1	32 936.2	31 706.9	37 992.0	32 659.8	34 223.4					104.8%
Accumulated surplus/(deficit)		13 866.2	14 765.6	16 012.8	16 540.0	12 799.0	12 261.1	13 514.3	17 485.8					108.6%
Capital and reserves		1 704.1	(1 321.1)	1 704.1	(2 950.5)	1 534.8	856.5	1 604.5	(1 744.5)					-78.8%
Borrowings		1 022.3	866.8	2 196.3	770.2	999.1	968.3	865.6	911.6					69.2%
Finance lease		-	-	-	812.6	819.3	1 089.4	820.3	1 016.5					178.0%
Deferred income		-	-	-	-	-	-	-	41.7					-
Trade and other payables		1 525.4	6 800.2	1 599.3	7 070.8	4 887.9	9 554.4	4 616.5	5 502.7					229.1%
Taxation		1 838.9	1 888.8	1 838.9	1 457.4	893.0	2 140.7	890.7	802.7					115.2%
Provisions		11 555.1	10 431.2	12 104.1	9 074.2	9 630.7	10 965.3	10 195.8	10 112.5					93.3%
Managed funds (e.g. poverty alleviation fund)		-	-	-	18.5	-	-	-	-					-
Derivatives financial instruments		557.5	187.7	564.5	143.2	143.3	156.3	152.1	94.5					41.0%
Total equity and liabilities		32 069.6	33 619.1	36 020.1	32 936.2	31 706.9	37 992.0	32 659.8	34 223.4					104.8%

Statements of estimates of financial performance, cash flow and financial position**Table 34.15 CEF (Pty) Ltd statements of estimates of financial performance, cash flow and financial position**

Statement of financial performance		Revised estimate	Average growth rate (%)	Average: Expenditure/Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/Total (%)
		2019/20	2016/17 - 2019/20		2020/21	2021/22	2022/23	2019/20 - 2022/23	
R million									
Revenue									
Non-tax revenue		16 873.1	8.6%	99.1%	20 410.2	19 599.9	17 329.5	0.9%	100.0%
Sale of goods and services other than capital assets		15 388.9	8.8%	89.6%	18 707.4	18 073.0	15 844.9	1.0%	91.6%
Sales by market establishment		15 388.9	8.8%	89.6%	18 707.4	18 073.0	15 844.9	1.0%	91.6%
Other non-tax revenue		1 484.2	6.1%	9.5%	1 702.7	1 526.9	1 484.6	0.0%	8.4%
Total revenue		16 873.1	8.6%	100.0%	20 410.2	19 599.9	17 329.5	0.9%	100.0%
Current expenses		15 488.7	4.7%	97.7%	17 660.3	17 678.3	16 501.4	2.1%	98.0%
Compensation of employees		1 837.1	10.4%	10.5%	2 136.8	2 315.1	2 407.0	9.4%	12.6%
Goods and services		13 346.7	8.6%	79.7%	15 168.7	15 042.6	13 801.4	1.1%	83.5%
Depreciation		81.1	-58.4%	4.2%	107.5	119.7	131.3	17.4%	0.6%
Interest, dividends and rent on land		223.7	-27.8%	3.3%	247.3	200.9	161.7	-10.3%	1.2%
Total expenses		15 744.8	4.5%	100.0%	18 055.8	18 038.9	16 892.1	2.4%	100.0%
Surplus/(Deficit)		1 128.3			2 354.3	1 561.0	437.3		
Cash flow statement									
Cash flow from operating activities		2 212.4	21.4%	283.1%	2 577.7	2 780.9	1 652.5	1.2%	286.1%
Receipts									
Non-tax receipts		17 086.4	-0.9%	100.0%	19 784.3	19 439.4	17 292.1	0.4%	100.0%
Sales of goods and services other than capital assets		15 840.9	-1.1%	91.6%	18 540.2	18 114.6	16 024.9	0.4%	93.1%
Other sales		15 840.9	-1.1%	91.6%	18 540.2	18 114.6	16 024.9	0.4%	93.1%
Other tax receipts		1 245.5	2.3%	8.4%	1 244.1	1 324.8	1 267.2	0.6%	6.9%
Total receipts		17 086.4	-0.9%	100.0%	19 784.3	19 439.4	17 292.1	0.4%	100.0%
Current payments		14 617.3	-3.4%	102.8%	16 962.2	16 298.1	15 250.0	1.4%	98.0%
Compensation of employees		1 837.1	19.4%	9.4%	2 136.8	2 315.1	2 407.0	9.4%	13.5%
Goods and services		12 585.1	-5.6%	92.3%	14 607.4	13 815.0	12 718.4	0.4%	83.4%
Interest and rent on land		195.0	10.9%	1.1%	218.0	167.9	124.7	-13.9%	1.1%
Total payment		14 874.0	-3.0%	100.0%	17 206.6	16 658.6	15 639.6	1.7%	100.0%
Net cash flow from investing activities		(3 223.7)	72.9%	100.0%	(3 942.5)	(3 224.3)	(2 340.5)	-10.1%	100.0%
Acquisition of property, plant, equipment and intangible assets		(2 939.4)	53.7%	100.7%	(2 212.7)	(2 251.1)	(1 773.1)	-15.5%	73.2%
Acquisition of software and other intangible assets		(164.1)	56.4%	6.3%	(130.9)	(304.1)	(30.7)	-42.8%	4.8%
Other flows from investing activities		(120.2)	-192.3%	-3.9%	(1 598.9)	(669.1)	(536.6)	64.7%	22.0%
Net cash flow from financing activities		(8.5)	-67.1%	100.0%	785.1	(154.0)	58.4	-290.2%	100.0%
Borrowing Activities		(8.5)	-69.6%	89.6%	785.1	(154.0)	58.4	-290.2%	100.0%
Net increase/(decrease) in cash and cash equivalents		(1 019.8)	-239.5%	100.0%	(579.7)	(597.4)	(629.6)	-14.9%	100.0%

Table 34.15 CEF (Pty) Ltd statements of estimates of financial performance, cash flow and financial position

Statement of financial position	Revised estimate	Average growth rate (%)	Average: Expenditure/Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/Total (%)			
				2019/20	2016/17 - 2019/20	2020/21			2021/22	2022/23	2019/20 - 2022/23
				R million							
Carrying value of assets	11 573.4	0.5%	30.9%	12 807.5	14 396.4	15 274.0	9.7%	35.7%			
Acquisition of assets	(2 939.4)	53.7%	-3.6%	(2 212.7)	(2 251.1)	(1 773.1)	-15.5%	-6.2%			
Investments	3 581.7	48.5%	6.5%	5 784.4	6 650.4	7 398.6	27.4%	15.3%			
Inventory	2 887.1	1.6%	7.0%	3 112.9	3 113.8	3 071.4	2.1%	8.1%			
Loans	44.4	10.6%	0.1%	49.1	54.3	60.0	10.6%	0.1%			
Receivables and prepayments	1 388.2	-14.3%	6.4%	1 555.3	1 513.6	1 333.5	-1.3%	3.8%			
Cash and cash equivalents	14 743.4	-2.1%	47.9%	14 163.7	13 566.3	12 936.7	-4.3%	36.9%			
Taxation	5.2	-75.5%	1.1%	5.2	5.2	5.2	-	0.0%			
Total assets	34 223.4	0.6%	100.0%	37 478.2	39 300.0	40 079.5	5.4%	100.0%			
Accumulated surplus/(deficit)	17 485.8	5.8%	44.4%	19 752.7	21 398.2	21 937.8	7.9%	53.2%			
Capital and reserves	(1 744.5)	9.7%	-3.9%	(1 794.5)	(1 794.5)	(1 794.5)	0.9%	-4.7%			
Borrowings	911.6	1.7%	2.5%	1 786.7	2 007.3	1 935.3	28.5%	4.3%			
Finance lease	1 016.5	-	2.1%	733.2	142.4	44.7	-64.7%	1.4%			
Deferred income	41.7	-	0.0%	28.8	18.8	1.2	-69.0%	0.1%			
Trade and other payables	5 502.7	-6.8%	20.7%	5 245.5	5 242.2	5 103.7	-2.5%	14.0%			
Taxation	802.7	-24.8%	4.5%	953.9	954.0	955.2	6.0%	2.4%			
Provisions	10 112.5	-1.0%	29.2%	10 671.5	11 224.8	11 782.4	5.2%	29.0%			
Derivatives financial instruments	94.5	-20.5%	0.4%	100.5	106.8	113.6	6.3%	0.3%			
Total equity and liabilities	34 223.4	0.6%	100.0%	37 478.2	39 300.0	40 079.5	5.4%	100.0%			

Personnel information**Table 34.16 CEF (Pty) Ltd personnel numbers and cost by salary level**

Number of posts estimated for 31 March 2020		Number and cost ¹ of personnel posts filled/planned for on funded establishment												Number					
Number of funded posts	Number of posts on approved establishment	Actual				Revised estimate				Medium-term expenditure estimate				Average growth rate (%)	Average: Salary level/Total (%)				
		2018/19		2019/20		2020/21		2021/22		2022/23		2019/20 - 2022/23							
		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number		Cost			Unit cost			
CEF (Pty) Ltd		2 107	2 107	1 624.8	0.8	2 107	1 837.1	0.9	2 107	2 136.8	1.0	2 107	2 315.1	1.1	2 107	2 407.0	1.1	9.4%	100.0%
7 – 10	623	623	623	244.0	0.4	623	275.9	0.4	623	320.9	0.5	623	347.7	0.6	623	361.3	0.6	9.4%	29.6%
11 – 12	681	681	681	447.2	0.7	681	505.8	0.7	681	588.3	0.9	681	637.1	0.9	681	662.3	1.0	9.4%	32.3%
13 – 16	803	803	803	933.6	1.2	803	1 055.4	1.3	803	1 227.6	1.5	803	1 330.3	1.7	803	1 383.4	1.7	9.4%	38.1%

1. Rand million.

South African Nuclear Energy Corporation**Selected performance indicators****Table 34.17 South African Nuclear Energy Corporation performance indicators by programme/objective/activity and related priority**

Indicator	Programme/Objective/Activity	MTSF priority	Past			Current	Projections		
			2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Number of product and process innovations per year	Administration	Entity mandate	15	10	11	6	6	6	6
Number of scientific articles published per year	Administration		43	45	39	26	26	26	26
Number of days per year that the reactor is operationally available	Radiation products and services		289	300	266	287	287	287	287
Maximum allowable annual radiation dose (microsievert) in terms of licence conditions	Radiation products and services		5.6µSv	4.8µSv	5µSv	5µSv	5µSv	5µSv	5µSv

Entity overview

The South African Nuclear Energy Corporation is listed as a schedule 2 public entity in terms of the Public Finance Management Act (1999). It derives its mandate from the Nuclear Energy Act (1999), the Nuclear Energy Policy (2008) and directives conferred on it by the Minister of Energy. The corporation's subsidiaries include international fluoro-chemical producer Pelchem; radiopharmaceutical and radioisotope producer NTP Radioisotopes; and Pelindaba Enterprises, which specialises in the manufacturing of power-generation components. It also operates the SAFARI-1 nuclear reactor for research, technology development and the production of radioisotopes. The corporation is responsible for the decommissioning and decontamination of nuclear facilities, and contributes to South Africa's obligations in terms of international nuclear treaties

and agreements.

Over the medium term, the corporation will focus on increasing medical radioisotope production and radiation applications used locally and internationally for the diagnosis and treatment of cancer. This activity accounts for the bulk of the corporation's spending, and is set to increase from R1.8 billion in 2019/20 to R2.1 billion in 2022/23 at an average annual rate of 5.5 per cent. Other priorities include research and technology development for new products, specialised nuclear manufacturing, support for nuclear power generation, and the decommissioning and decontamination of disused nuclear facilities. The corporation's total expenditure is expected to be R11.2 billion over the medium term.

The sale of nuclear technology products, chemical products and nuclear engineering services are expected to account for 61.9 per cent (R7.6 billion) of the corporation's revenue over the medium term. The projected increase in sales is mostly attributed to NTP Radioisotopes operating at higher capacity, as well as improved market conditions. Transfers from the department, amounting to a projected 38.1 per cent (R3.9 billion) of total revenue over the medium term, will be used for operational requirements and activities such as the decommissioning of disused plants, radioactive waste management at all disused nuclear facilities, the production and conversion of low-enriched uranium fuel, and nuclear safety.

Programmes/Objectives/Activities

Table 34.18 South African Nuclear Energy Corporation Limited 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 (%)
	2016/17	2017/18	2018/19				2019/20	2020/21	2021/22		
					2016/17 - 2019/20		2020/21	2021/22	2022/23	2019/20 - 2022/23	
Administration	442.7	464.3	487.5	463.2	1.5%	14.7%	500.2	523.8	541.3	5.3%	14.0%
Nuclear energy	409.8	409.5	429.3	399.1	-0.9%	13.0%	498.1	517.9	546.5	11.0%	13.5%
Radiation products and services	1 514.4	2 050.4	1 628.3	1 820.5	6.3%	55.0%	1 966.0	2 026.5	2 136.8	5.5%	54.9%
South African Nuclear Energy Corporation as a host of nuclear programmes	509.7	539.6	561.9	590.0	5.0%	17.4%	619.5	650.5	688.7	5.3%	17.6%
Total	2 876.6	3 463.8	3 107.0	3 272.9	4.4%	100.0%	3 583.8	3 718.7	3 913.2	6.1%	100.0%

Statements of historical financial performance, cash flow and financial position

Table 34.19 South African Nuclear Energy Corporation Limited statements of historical financial performance, cash flow and financial position

Statement of financial performance									
R million	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	Average: Outcome/ Budget (%)
	2016/17	2017/18	2017/18	2018/19	2018/19	2019/20	2019/20	2019/20	2016/17 - 2019/20
Revenue									
Non-tax revenue	1 929.1	2 281.7	1 948.9	2 689.6	2 031.6	2 373.5	2 375.7	1 468.2	106.4%
Sale of goods and services other than capital assets	1 883.4	1 622.8	1 736.1	1 815.1	1 674.8	1 468.5	2 288.2	1 423.4	83.5%
<i>of which:</i>									
<i>Sales by market establishment</i>	1 883.4	1 622.8	1 736.1	1 815.1	1 674.8	1 468.5	2 288.2	1 423.4	83.5%
Other non-tax revenue	45.6	658.9	212.8	874.4	356.8	905.1	87.5	44.8	353.3%
Transfers received	649.4	637.1	837.5	720.8	1 116.0	697.8	1 170.1	1 655.4	98.4%
Total revenue	2 578.4	2 918.9	2 786.4	3 410.4	3 147.6	3 071.3	3 545.8	3 123.6	103.9%
Expenses									
Current expenses	2 598.1	2 805.8	2 395.8	3 389.5	2 990.1	3 029.0	3 314.8	3 190.9	109.9%
Compensation of employees	916.1	989.4	990.0	1 016.3	1 066.4	1 066.4	1 220.0	1 200.4	101.9%
Goods and services	1 611.9	1 740.8	1 313.2	2 293.8	1 840.3	1 879.2	2 007.2	1 932.0	115.8%
Depreciation	65.5	70.8	87.4	74.3	78.0	78.0	81.9	52.9	88.2%
Interest, dividends and rent on land	4.5	4.9	5.1	5.1	5.4	5.4	5.6	5.6	101.7%
Total expenses	2 663.6	2 876.6	2 482.2	3 463.8	3 068.2	3 107.0	3 396.8	3 272.9	109.6%
Surplus/(Deficit)	(85.2)	42.2	304.2	(53.4)	79.4	(35.8)	149.0	(149.3)	
Cash flow statement									
Cash flow from operating activities	1 036.6	279.2	329.2	1 156.0	253.1	(1 092.4)	265.4	278.4	33.0%
Receipts									
Non-tax receipts	3 029.0	1 725.2	1 948.9	2 136.7	1 752.0	1 792.2	2 357.3	2 357.3	88.2%
Sales of goods and services other than capital assets	2 983.4	1 407.1	1 736.1	1 815.1	1 674.8	1 468.5	2 288.2	2 288.2	80.4%
<i>Sales by market establishment</i>	1 912.4	1 407.1	1 736.1	1 815.1	1 674.8	1 468.5	2 288.2	2 288.2	91.7%
<i>Other sales</i>	1 070.9	-	-	-	-	-	-	-	-
Other tax receipts	45.6	318.1	212.8	321.5	77.2	323.7	69.1	69.1	255.1%
Transfers received	632.3	637.1	837.5	720.8	945.7	697.8	1 193.7	1 193.7	90.0%
Total receipts	3 661.3	2 362.3	2 786.4	2 857.5	2 697.7	2 489.9	3 551.0	3 551.0	88.7%

Table 34.19 South African Nuclear Energy Corporation Limited statements of historical financial performance, cash flow and financial position

Statement of financial performance									
	Budget	Audited outcome	Budget	Audited outcome	Budget	Audited outcome	Budget estimate	Revised estimate	Average: Outcome/Budget (%)
R million	2016/17		2017/18		2018/19		2019/20		2016/17 - 2019/20
Payment									
Current payments	2 576.7	1 986.5	2 370.8	1 650.2	2 387.1	3 582.3	3 202.2	3 189.2	98.8%
Compensation of employees	972.1	846.9	1 099.9	1 422.2	1 292.0	1 292.0	1 407.0	1 407.0	104.1%
Goods and services	1 600.1	1 128.0	1 265.7	220.7	1 051.7	2 246.9	1 773.7	1 760.7	94.1%
Interest and rent on land	4.5	11.6	5.1	7.3	43.4	43.4	21.5	21.5	112.4%
Total payments	2 624.8	2 083.1	2 457.2	1 701.5	2 444.6	3 582.3	3 285.6	3 272.6	98.4%
Net cash flow from investing activities	(124.1)	(21.9)	(230.9)	(629.9)	(261.5)	965.0	(205.0)	(121.3)	-23.4%
Acquisition of property, plant, equipment and intangible assets	(107.5)	(165.8)	(162.8)	(59.4)	(190.9)	(21.9)	(60.9)	(93.7)	65.3%
Acquisition of software and other intangible assets	(2.4)	(0.4)	(81.7)	(0.2)	(41.1)	(47.9)	(10.0)	(10.0)	43.3%
Proceeds from the sale of property, plant, equipment and intangible assets	–	2.5	18.0	2.7	–	2.2	–	–	41.4%
Other flows from investing activities	(14.1)	141.8	(4.5)	(573.1)	(29.5)	1 032.7	(134.1)	(17.6)	-320.3%
Net cash flow from financing activities	90.4	(14.5)	6.0	(25.2)	32.5	(23.5)	25.4	(6.9)	-45.4%
Deferred income	90.4	4.4	–	(14.4)	–	(17.3)	–	–	-30.2%
Borrowing activities	–	(16.0)	6.0	–	32.5	–	25.4	(6.9)	-35.9%
Repayment of finance leases	–	(2.9)	–	(6.0)	–	0.3	–	–	–
Other flows from financing activities	–	–	–	(4.8)	–	(6.5)	–	–	–
Net increase/(decrease) in cash and cash equivalents	1 002.9	242.8	104.3	500.9	24.1	(150.8)	85.8	150.2	
Statement of financial position									
Carrying value of assets	1 463.4	1 376.6	1 603.0	1 393.1	1 785.3	1 438.9	1 820.9	1 490.8	85.4%
<i>Acquisition of assets</i>	<i>(107.5)</i>	<i>(165.8)</i>	<i>(162.8)</i>	<i>(59.4)</i>	<i>(190.9)</i>	<i>(21.9)</i>	<i>(60.9)</i>	<i>(93.7)</i>	<i>65.3%</i>
Investments	3 340.5	3 172.0	3 333.6	5 187.9	3 691.8	4 665.8	3 878.1	3 586.9	116.6%
Inventory	256.4	238.1	343.4	283.2	389.9	309.4	520.6	419.0	82.7%
Loans	–	–	36.6	–	–	–	–	–	–
Receivables and prepayments	279.9	205.1	397.5	517.1	495.1	412.4	563.6	352.0	85.6%
Cash and cash equivalents	598.3	1 065.3	531.9	507.7	152.2	370.9	67.2	471.9	179.0%
Taxation	15.7	41.0	32.1	45.6	30.7	95.4	30.7	19.5	184.4%
Total assets	5 954.3	6 098.1	6 278.2	7 934.6	6 545.0	7 292.8	6 881.1	6 340.2	107.8%
Accumulated surplus/(deficit)	267.1	504.0	763.2	798.7	196.4	885.1	334.6	(677.7)	96.7%
Capital and reserves	422.4	600.4	145.4	750.9	691.4	(127.9)	698.6	624.9	94.4%
Capital reserve fund	601.6	–	198.9	–	–	–	–	–	–
Borrowings	85.2	123.7	6.0	32.0	30.3	46.0	29.8	35.0	156.4%
Finance lease	4.6	5.3	4.4	2.9	5.8	6.9	6.7	4.8	92.6%
Deferred income	–	594.4	594.4	579.9	645.0	562.7	633.9	579.9	123.7%
Trade and other payables	226.9	196.1	361.4	728.2	291.9	666.4	332.2	593.7	180.2%
Benefits payable	–	23.8	–	33.5	35.2	34.5	36.9	–	127.3%
Taxation	–	1.1	22.3	0.5	0.3	4.7	0.3	–	27.6%
Provisions	992.7	739.3	972.4	955.5	1 149.2	975.5	1 218.9	583.6	75.1%
Derivatives financial instruments	3 353.7	3 310.1	3 087.8	4 052.2	3 499.6	4 239.0	3 589.4	4 596.0	119.7%
Total equity and liabilities	5 954.3	6 098.1	6 156.1	7 934.6	6 545.0	7 292.8	6 881.1	6 340.2	108.3%

Statements of estimates of financial performance, cash flow and financial position**Table 34.20 South African Nuclear Energy Corporation Limited statements of estimates of financial performance, cash flow and financial position**

Statement of financial performance								
	Revised estimate	Average growth rate (%)	Average: Expenditure/Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/Total (%)
R million	2019/20	2016/17 - 2019/20		2020/21	2021/22	2022/23	2019/20 - 2022/23	
Revenue								
Non-tax revenue	1 468.2	-13.7%	70.3%	2 494.3	2 583.3	2 720.2	22.8%	61.9%
Sale of goods and services other than capital assets	1 423.4	-4.3%	50.6%	2 408.8	2 507.4	2 640.3	22.9%	60.0%
<i>Sales by market establishment</i>	<i>1 423.4</i>	<i>-4.3%</i>	<i>50.6%</i>	<i>2 408.8</i>	<i>2 507.4</i>	<i>2 640.3</i>	<i>22.9%</i>	<i>60.0%</i>
Other non-tax revenue	44.8	-59.2%	19.8%	85.5	75.9	80.0	21.3%	1.9%
Transfers received	1 655.4	37.5%	29.7%	1 232.9	1 287.4	1 340.4	-6.8%	38.1%
Total revenue	3 123.6	2.3%	100.0%	3 727.3	3 870.7	4 060.6	9.1%	100.0%
Current expenses	3 190.9	4.4%	97.6%	3 497.7	3 628.3	3 818.1	6.2%	97.6%
Compensation of employees	1 200.4	6.7%	33.7%	1 284.1	1 355.3	1 424.6	5.9%	36.3%
Goods and services	1 932.0	3.5%	61.6%	2 121.7	2 176.5	2 291.8	5.9%	58.8%
Depreciation	52.9	-9.2%	2.2%	86.0	90.3	95.1	21.6%	2.2%
Interest, dividends and rent on land	5.6	5.0%	0.2%	5.9	6.2	6.6	5.1%	0.2%
Total expenses	3 272.9	4.4%	100.0%	3 583.8	3 718.7	3 913.2	6.1%	100.0%
Surplus/(Deficit)	(149.3)			143.4	152.0	147.4		

Table 34.20 South African Nuclear Energy Corporation Limited statements of estimates of financial performance, cash flow and financial position

Cash flow statement								
	Revised estimate	Average growth rate (%)	Average: Expenditure/ Total (%)	Medium-term estimate			Average growth rate (%)	Average: Expenditure/ Total (%)
R million	2019/20	2016/17 - 2019/20	2019/20	2020/21	2021/22	2022/23	2019/20 - 2022/23	2019/20 - 2022/23
Cash flow from operating activities	278.4	-0.1%	194.8%	349.3	400.1	406.1	14.5%	187.0%
Receipts								
Non-tax receipts	2 357.3	11.0%	71.5%	2 476.6	2 571.0	2 707.2	4.7%	63.5%
Sales of goods and services other than capital assets	2 288.2	17.6%	61.6%	2 408.8	2 507.4	2 640.3	4.9%	61.8%
<i>Sales by market establishment</i>	2 288.2	17.6%	61.6%	2 408.8	2 507.4	2 640.3	4.9%	61.8%
Other tax receipts	69.1	-39.9%	9.9%	67.8	63.6	67.0	-1.0%	1.7%
Transfers received	1 193.7	23.3%	28.5%	1 370.2	1 615.3	1 685.7	12.2%	36.5%
Total receipts	3 551.0	14.6%	100.0%	3 846.8	4 186.2	4 392.9	7.4%	100.0%
Current payments	3 189.2	17.1%	82.4%	3 423.2	3 712.1	3 908.9	7.0%	97.9%
Compensation of employees	1 407.0	18.4%	38.8%	1 487.0	1 564.0	1 646.9	5.4%	42.0%
Goods and services	1 760.7	16.0%	42.9%	1 913.1	2 122.7	2 235.2	8.3%	55.2%
Interest and rent on land	21.5	23.0%	0.7%	23.2	25.4	26.7	7.5%	0.7%
Total payment	3 272.6	16.2%	100.0%	3 497.6	3 786.1	3 986.8	6.8%	100.0%
Net cash flow from investing activities	(121.3)	76.9%	100.0%	(250.1)	(254.9)	(268.4)	30.3%	100.0%
Acquisition of property, plant, equipment and intangible assets	(93.7)	-17.3%	210.3%	(106.0)	(113.5)	(119.5)	8.5%	52.2%
Acquisition of software and other intangible assets	(10.0)	187.0%	1.3%	(10.0)	(15.3)	(16.1)	17.2%	6.1%
Other flows from investing activities	(17.6)	-149.9%	-108.7%	(134.1)	(126.1)	(132.8)	96.1%	41.8%
Net cash flow from financing activities	(6.9)	-21.8%	100.0%	6.1	(5.0)	(5.2)	-9.0%	100.0%
Borrowing Activities	(6.9)	-24.3%	52.6%	6.1	(5.0)	(5.2)	-9.0%	100.0%
Net increase/(decrease) in cash and cash equivalents	150.2	-14.8%	100.0%	105.2	140.3	132.5	-4.1%	100.0%
Statement of financial position								
Carrying value of assets	1 490.8	2.7%	20.8%	1 860.3	1 912.9	2 014.3	10.6%	25.0%
<i>Acquisition of assets</i>	<i>(93.7)</i>	<i>-17.3%</i>	<i>-1.3%</i>	<i>(106.0)</i>	<i>(113.5)</i>	<i>(119.5)</i>	<i>8.5%</i>	<i>-1.5%</i>
Investments	3 586.9	4.2%	59.5%	4 069.3	4 236.0	4 460.5	7.5%	56.4%
Inventory	419.0	20.7%	4.6%	567.1	604.4	636.5	15.0%	7.6%
Receivables and prepayments	352.0	19.7%	5.3%	620.4	690.3	726.9	27.3%	8.1%
Cash and cash equivalents	471.9	-23.8%	9.1%	32.2	67.6	71.1	-46.8%	2.4%
Taxation	19.5	-22.0%	0.7%	30.7	30.7	32.4	18.4%	0.4%
Total assets	6 340.2	1.3%	100.0%	7 180.1	7 541.9	7 941.7	7.8%	100.0%
Accumulated surplus/(deficit)	(677.7)	-210.4%	4.9%	441.4	551.8	581.1	-195.0%	2.5%
Capital and reserves	624.9	1.3%	6.9%	706.8	716.6	754.6	6.5%	9.7%
Borrowings	35.0	-34.4%	0.9%	69.1	153.6	161.8	66.6%	1.4%
Finance lease	4.8	-3.5%	0.1%	7.5	7.6	8.0	18.9%	0.1%
Deferred income	579.9	-0.8%	8.5%	694.2	719.9	758.1	9.3%	9.5%
Trade and other payables	593.7	44.7%	7.7%	351.5	388.6	409.2	-11.7%	6.1%
Taxation	-	-100.0%	0.0%	0.3	0.3	0.4	-	0.0%
Provisions	583.6	-7.6%	11.7%	1 252.2	1 285.9	1 354.1	32.4%	15.2%
Derivatives financial instruments	4 596.0	11.6%	59.0%	3 657.0	3 717.5	3 914.5	-5.2%	55.5%
Total equity and liabilities	6 340.2	1.3%	100.0%	7 180.1	7 541.9	7 941.7	7.8%	100.0%

Personnel information**Table 34.21 South African Nuclear Energy Corporation Limited personnel numbers and cost by salary level**

Number of posts estimated for 31 March 2020		Number and cost ¹ of personnel posts filled/planned for on funded establishment												Number					
Number of funded posts	Number of posts on approved establishment	Actual			Revised estimate			Medium-term expenditure estimate						Average growth rate (%)	Average: Salary level/Total (%)				
		2018/19	2019/20	2020/21	2021/22	2022/23	2019/20 - 2022/23												
South African Nuclear Energy Corporation Limited		Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost	Number	Cost	Unit cost			
Salary level	2 574	2 574	2 629	1 066.4	0.4	2 400	1 200.4	0.5	2 393	1 284.1	0.5	2 394	1 355.3	0.6	2 393	1 424.6	0.6	5.9%	100.0%
1 - 6	878	878	851	95.9	0.1	800	102.2	0.1	773	111.3	0.1	779	122.3	0.2	779	133.3	0.2	9.3%	32.7%
7 - 10	1 147	1 147	1 225	442.2	0.4	1 093	483.9	0.4	1 099	515.5	0.5	1 096	555.6	0.5	1 096	595.7	0.5	7.2%	45.8%
11 - 12	295	295	295	218.9	0.7	281	241.5	0.9	287	259.8	0.9	287	274.3	1.0	287	288.8	1.0	6.1%	11.9%
13 - 16	225	225	229	254.1	1.1	200	283.4	1.4	208	309.8	1.5	208	319.1	1.5	207	326.7	1.6	4.9%	8.6%
17 - 22	29	29	29	55.3	1.9	26	89.3	3.4	26	87.8	3.4	24	83.9	3.5	24	80.0	3.3	-3.6%	1.0%

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 under the budget information link.

- The **Council for Geoscience** develops and publishes world-class geoscience knowledge products, and provides geoscience-related services to the South African public and industry. The council's total budget for 2020/21 is R554.3 million.
- The **Mine Health and Safety Council** advises the Minister of Mineral Resources and Energy on occupational health and safety at mines, develops legislation, conducts research, and liaises with other statutory bodies on matters relating to occupational health and safety at mines. The council's total budget for 2020/21 is R133.9 million.
- **Mintek** develops appropriate and innovative technology for transfer to the minerals industry, and provides the industry with test work, consultancy, and analytical and mineralogical services. The entity's total budget for 2020/21 is R562.5 million.
- The **National Energy Regulator of South Africa** is the regulatory authority for electricity, piped gas and petroleum pipelines. The regulator's total budget for 2020/21 is R373.7 million.
- The **National Nuclear Regulator** is responsible for safety standards and regulatory practices for the protection of people, property and the environment against nuclear damage. The regulator's total budget for 2020/21 is R289.2 million.
- The **National Radioactive Waste Disposal Institute** is responsible for the long-term care and disposal of radioactive waste at the national level in a manner that is safe, technically sound, socially acceptable, environmentally responsible and economically feasible. The institute's total budget for 2020/21 is R51.5 million.
- The **South African Diamond and Precious Metals Regulator** was established in terms of section 3 of the Diamonds Act (1986), as amended. It is mandated to regulate control over the possession, purchase, sale, processing and export of diamonds, and the regulation of precious metals. The regulator's total budget for 2020/21 is R120.2 million.
- The **South African National Energy Development Institute** is mandated to stimulate innovation in energy research and development, transform the gender and race profile of researchers in the sector, and improve South Africa's competitiveness in energy research. The institute's total budget for 2020/21 is R234.2 million.
- The **State Diamond Trader** is mandated to buy and sell rough diamonds to promote equitable access to diamonds and the local beneficiation of diamond resources. It generates revenue by selling rough diamonds to clients, mainly diamond polishers and cutters. The trader's total budget for 2020/21 is R531.1 million.

