

Vote 31

Science and Technology

Adjusted budget summary

2009/10				
R thousand	Main appropriation	Adjusted appropriation	Decrease	Increase
Amount to be appropriated	4 234 111	4 261 695	–	27 584
of which:				
Current payments	334 779	342 390	–	7 611
Transfers and subsidies	3 894 847	3 914 820	–	19 973
Payments for capital assets	4 485	4 485	–	–
Executive authority	Minister of Science and Technology			
Accounting officer	Director-General of Science and Technology			
Website address	www.dst.gov.za			

Aim

The aim of the Department of Science and Technology is to realise the full potential of science and technology in social and economic development, through the development of human resources, research and innovation.

Mid-year performance status

Indicator	Programme	Annual performance		
		Projected for 2009/10 as published in the 2009 ENE	Achieved in the first six months of 2009/10 (April to September)	Change of estimate for 2009/10
As published in the 2009 ENE	Programme linked to the indicator			
Number of new technology based companies established as a result of products developed through research and development programmes	Research, Development and Innovation	15	12	–
Number of new patent applications resulting from publicly funded research	Research, Development and Innovation	40	40	–
Number of intellectual property transactions leading to commercialisation of technologies in South Africa each year	Research, Development and Innovation	15	10	–
Total number of space related technology services launched by South African based companies	Research, Development and Innovation	9	13	–
Total number of alternative energy technologies demonstrated and entering the local market	Research, Development and Innovation	9	0	–
Total number of technology commercialisation partnerships entered into with the private sector, including foreign direct investment	Research, Development and Innovation	5	4	–
Amount obtained from foreign sources for research and development each year	International Cooperation and Resources	R230m	R214m	
Number of learners who attended the science week programme each year	Human Capital and Knowledge Systems	200 000	201 903	–
Number of honours and masters students on the innovative bursary programme each year	Human Capital and Knowledge Systems	470	448	–
Number of interns supported at science councils and higher education institutions each year	Human Capital and Knowledge Systems	300	249	–

Indicator	Programme	Annual performance		
		Projected for 2009/10 as published in the 2009 ENE	Achieved in the first six months of 2009/10 (April to September)	Change of estimate for 2009/10
As published in the 2009 ENE	Programme linked to the indicator			
Total number of centres of excellence established	Human Capital and Knowledge Systems	8	7	–
Total number of research chairs established at science councils and higher education institutions	Human Capital and Knowledge Systems	72	82	–
Number of PhDs and postdoctoral fellowships supported at science councils and higher education institutions each year	Human Capital and Knowledge Systems	180	245	–
Total number of joint science and technology projects initiated between the Department of Science and Technology and other departments	Socioeconomic Partnerships	10	10	–
Total number of flagship projects (including centres of competence) supporting strategic areas of research and development	Socioeconomic Partnerships	13	13	–
Number of companies provided with a technology assistance package to facilitate successful participation in infrastructure public procurement processes each year	Socioeconomic Partnerships and Research, Development and Innovation	24	0	–
Total number of institutions implementing the research information management system	Socioeconomic Partnerships	8	4	–

The number of learners who attended the science week programme was higher than estimated because the programme was effectively marketed and there is increased support from the provinces.

The number of research chairs established at science councils and higher education institutions is higher than estimated, because of contributions by private sector and the National Research Foundation.

Adjusted Estimates of National Expenditure 2009

Programme		2009/10						
		Additional appropriation						
R thousand	Main appropriation	Roll-over	Unforeseeable/unavoidable	Virement	Function shift	Other adjustments	Total additional appropriation	Adjusted appropriation
1. Administration	171 255	–	2 314	–	–	–	2 314	173 569
2. Research, Development and Innovation	1 142 883	–	510	–	–	–	510	1 143 393
3. International Cooperation and Resources	131 282	–	681	–	–	–	681	131 963
4. Human Capital and Knowledge Systems	1 598 038	–	7 836	(6 900)	–	–	936	1 598 974
5. Socio-Economic Partnerships	1 190 653	–	16 243	6 900	–	–	23 143	1 213 796
Total	4 234 111	–	27 584	–	–	–	27 584	4 261 695
Economic classification								
Current payments	334 779	–	4 724	2 887	–	–	7 611	342 390
Compensation of employees	192 819	–	4 724	2 617	–	–	7 341	200 160
Goods and services	141 960	–	–	270	–	–	270	142 230
Transfers and subsidies	3 894 847	–	22 860	(2 887)	–	–	19 973	3 914 820
Departmental agencies and accounts	2 033 707	–	11 428	185 664	–	–	197 092	2 230 799
Universities and technikons	–	–	–	119 875	–	–	119 875	119 875
Public corporations and private enterprises	581 052	–	11 432	611 547	–	–	622 979	1 204 031
Non-profit institutions	1 280 088	–	–	(919 973)	–	–	(919 973)	360 115
Payments for capital assets	4 485	–	–	–	–	–	–	4 485
Machinery and equipment	4 485	–	–	–	–	–	–	4 485
Total	4 234 111	–	27 584	–	–	–	27 584	4 261 695

Details of adjustments to Estimates of National Expenditure 2009

Unforeseeable and unavoidable expenditure – R27.584 million

An additional R27.584 million is allocated for higher salary increases than the main budget provided for, as follows:

Programme 1: Administration

R2.314 million

Programme 2: Research Development and Innovation

R510 000

Programme 3: International Cooperation and Resources

R681 000

Programme 4: Human Capital and Knowledge Systems

R513 000

R7.323 million for the National Research Foundation

Programme 5: Socio-Economic Partnerships

R706 000

R11.432 million for the Council for Scientific and Industrial Research and R4.105 million for the Human Science Research Council

Virements

Programmes					
1. Administration 2. Research, Development and Innovation 3. International Cooperation and Resources 4. Human Capital and Knowledge Systems 5. Socio-Economic Partnerships					
FROM:			TO:		
Programme by economic classification	Motivation	R thousand	Programme by economic classification	Motivation	R thousand
Programme 1		(110)	Programme 1		110
Goods and services	Reduction in outsourced legal services	(55)	Compensation of employees	For upgrading a post	55
Non-profit institutions (current)	Correction of incorrect classification in 2009 ENE	(55)	Universities and technikons (current)	Correction of incorrect classification in 2009 ENE	55
Programme 2		(697 143)	Programme 2		697 143
Goods and services	Correction of incorrect classification in 2009 ENE	(3 108)	Non-profit institutions (current)	Correction of incorrect classification in 2009 ENE	108
Departmental agencies and accounts (current)	Correction of incorrect classification in 2009 ENE	(36 264)	Departmental agencies and accounts (current)	Correction of incorrect classification in 2009 ENE	3 000
Non-profit institutions (current)	Correction of incorrect classification in 2009 ENE	(86 846)	Public corporations and private enterprises (current)	Correction of incorrect classification in 2009 ENE	16 606
			Non-profit institutions (current)	Correction of incorrect classification in 2009 ENE	19 658
			Public corporations and private enterprises (current)	Correction of incorrect classification in 2009 ENE	22 548
			Departmental agencies and accounts (current)	Correction of incorrect classification in 2009 ENE	21 180
			Universities and technikons (current)	Correction of incorrect classification in 2009 ENE	43 118
Non-profit institutions (capital)	Correction of incorrect classification in 2009 ENE	(570 925)	Public corporations and private enterprises (capital)	Correction of incorrect classification in 2009 ENE	34 471
			Departmental agencies and accounts	Correction of incorrect classification in 2009 ENE	492 225
			Universities and technikons (capital)	Correction of incorrect classification in 2009 ENE	44 229

FROM:			TO:		
Programme by economic classification	Motivation	R thousand	Programme by economic classification	Motivation	R thousand
Programme 3		(36 654)	Programme 3		36 654
Non-profit institutions (current)	Reduction in projects	(2 713)	Compensation of employees	For officials seconded to SADC	396
				For senior science and technology representatives	2 166
			Goods and services	For data lines	151
	Correction of incorrect classification in 2009 ENE	(33 941)	Public corporations and private enterprises (current)	Correction of incorrect classification in 2009 ENE	21 512
			Departmental agencies and accounts (current)	Correction of incorrect classification in 2009 ENE	9 449
			Universities and technikons (current)	Correction of incorrect classification in 2009 ENE	2 980
Programme 4		(430 624)	Programme 5		6 900
Departmental agencies and accounts (current)	Funds shifted following the shift of the Laser Loan project from the NRF to the CSIR	(6 900)	Public corporations and private enterprises (current)	For the Laser Loan project shifted to the CSIR	6 900
Non-profit institutions (current)	Correction of incorrect classification in 2009 ENE	(203 541)	Programme 4		423 724
			Public corporations and private enterprises (current)	Correction of incorrect classification in 2009 ENE	114 011
			Departmental agencies and accounts (current)	Correction of incorrect classification in 2009 ENE	79 802
			Universities and technikons (current)	Correction of incorrect classification in 2009 ENE	9 728
Public corporations and private enterprises (current)	Correction of incorrect classification in 2009 ENE	(7 512)	Goods and services	Correction of incorrect classification in 2009 ENE	2 512
			Public corporations and private enterprises (capital)	Correction of incorrect classification in 2009 ENE	5 000
	Earmarked funds shifted so that payments for Human Capital Development can be made from one cost centre	(4 000)	Departmental agencies and accounts (current)	Earmarked funds shifted so that payments for Human Capital Development can be made from one cost centre	4 000
Departmental agencies and accounts (capital)	Correction of incorrect classification in 2009 ENE	(179 352)	Goods and services	Correction of incorrect classification in 2009 ENE	770
Non-profit institutions (capital)	Correction of incorrect classification in 2009 ENE	(29 319)	Public corporations and private enterprises (capital)	Correction of incorrect classification in 2009 ENE	178 582
			Public corporations and private enterprises (capital)	Correction of incorrect classification in 2009 ENE	16 319
			Universities and technikons (capital)	Correction of incorrect classification in 2009 ENE	13 000
Programme 5		(213 875)	Programme 5		213 875
Departmental agencies and accounts (current)	Correction of incorrect classification in 2009 ENE	(201 476)	Public corporations and private enterprises (current)	Correction of incorrect classification in 2009 ENE	201 476
Non-profit institutions (current)	Correction of incorrect classification in 2009 ENE	(12 399)	Public corporations and private enterprises (current)	Correction of incorrect classification in 2009 ENE	5 634
			Universities and technikons (current)	Correction of incorrect classification in 2009 ENE	6 765
Total		(1 378 406)			1 378 406

Expenditure 2008/09 and preliminary expenditure 2009/10

Programme	2008/09 Expenditure outcome					2009/10 Preliminary expenditure		
	Adjusted appropriation	Apr 08 - Sep 08	Apr 08 - Sep 08 % of adjusted appropriation	Apr 08 - Mar 09	Apr 08 - Mar 09 % of adjusted appropriation	Adjusted appropriation	Apr 09 - Sep 09	Apr 09 - Sep 09 % of adjusted appropriation
R thousand								
1. Administration	115 086	53 224	46.2	124 041	107.8	173 569	69 536	40.1
2. Research, Development and Innovation	863 066	385 067	44.6	864 594	100.2	1 143 393	282 961	24.7
3. International Cooperation and Resources	130 838	60 382	46.2	140 614	107.5	131 963	67 806	51.4
4. Human Capital and Knowledge Systems	1 452 835	879 973	60.6	1 455 117	100.2	1 598 974	680 670	42.6
5. Socio-Economic Partnerships	1 159 890	690 488	59.5	1 119 214	96.5	1 213 796	540 284	44.5
Total	3 721 715	2 069 134	55.6	3 703 580	99.5	4 261 695	1 641 257	38.5

	2008/09 Expenditure outcome					2009/10 Preliminary expenditure		
	Adjusted appropriation	Apr 08 - Sep 08	Apr 08 - Sep 08 % of adjusted appropriation	Apr 08 - Mar 09	Apr 08 - Mar 09 % of adjusted appropriation	Adjusted appropriation	Apr 09 - Sep 09	Apr 09 - Sep 09 % of adjusted appropriation
R thousand								
Economic classification								
Current payments	242 852	116 395	47.9	260 187	107.1	342 390	127 637	37.3
Compensation of employees	135 889	70 817	52.1	144 870	106.6	200 160	82 846	41.4
Goods and services	106 963	45 578	42.6	115 317	107.8	142 230	44 791	31.5
Transfers and subsidies	3 476 728	1 951 601	56.1	3 439 880	98.9	3 914 820	1 510 356	38.6
Departmental agencies and accounts	1 910 632	992 882	52.0	1 866 541	97.7	2 230 799	718 559	32.2
Universities and technikons	18 309	17 013	92.9	69 452	379.3	119 875	89 095	74.3
Public corporations and private enterprises	879 070	698 751	79.5	1 075 098	122.3	1 204 031	584 806	48.6
Non-profit institutions	668 302	242 033	36.2	428 439	64.1	360 115	117 896	32.7
Households	415	922	222.2	350	84.3	—	—	—
Payments for capital assets	2 135	1 138	53.3	3 513	164.5	4 485	3 264	72.8
Machinery and equipment	2 135	1 138	53.3	3 513	164.5	4 485	3 264	72.8
Total	3 721 715	2 069 134	55.6	3 703 580	99.5	4 261 695	1 641 257	38.5

Main expenditure trends for the first half of 2009/10

Total expenditure for 2008/09 was 99.5 per cent of the 2008/09 adjusted appropriation. Expenditure in the first six months of 2009/10 was R1.641 billion, or 38.5 per cent of the adjusted appropriation of R4.262 billion for the year as a whole. In comparison, mid-year expenditure in 2008/09 was R2.069 billion, or 55.6 per cent of the 2008/09 adjusted appropriation. Expenditure in the first six months of 2009/10 decreased by R427.9 million or 20.7 per cent, compared to expenditure in the first six months of 2008/09.

The main expenditure decrease compared to 2008/09 is due to delays in programmes and projects.

Departmental receipts

	2008/09					2009/10			
	Adjusted estimate	Audited outcome				Actual receipts			
		Apr 08 - Sep 08	Apr 08 - Sep 08 % of adjusted estimate	Apr 08 - Mar 09	Apr 08 - Mar 09 % of adjusted estimate	Budget estimate	Adjusted estimate	Apr 09 - Sep 09	Apr 09 - Sep 09 % of adjusted estimate
R thousand									
Departmental receipts	106	59	55.7	333	314.2	107	1 005	949	94.4
Sales of goods and services produced by department	25	13	52.0	26	104.0	25	25	13	52.0
Interest, dividends and rent on land	6	5	83.3	9	150.0	6	6	2	33.3
Financial transactions in assets and liabilities	75	41	54.7	298	397.3	76	974	934	95.9
Total	106	59	55.7	333	314.2	107	1 005	949	94.4

Departmental receipts

Main departmental revenue trends for the first half of 2009/10

Departmental revenue collection in the first six months of 2009/10 was R949 000, or 94.4 per cent of the adjusted revenue estimate of R1.0 million for the year as a whole. In comparison, mid-year revenue collection in 2008/09 was R59 000, or 55.7 per cent of the 2008/09 adjusted estimate. Departmental revenue collection in the

first six months of 2009/10 increased by R890 000 or 1 508.5 per cent, compared to revenue collected in the first six months of 2008/09.

The main revenue increase compared to 2008/09 is due to maintenance funds refunded by the Department of Public Works, telecommunications cancellation fees, and the recovery of payments for overseas courses.

Changes to transfers and subsidies, and conditional grants

Summary of changes to transfers and subsidies

		2009/10						
R thousand	Main appropriation	Additional appropriation					Total additional appropriation	Adjusted appropriation
		Roll-over	Unforeseeable/unavoidable	Virement	Function shift	Other adjustments		
1. Administration								
Universities and Technikons								
Current	–	–	–	55	–	–	55	55
Institutional and Programme Support	–	–	–	55	–	–	55	55
Non-profit institutions								
Current	1 000	–	–	(55)	–	–	(55)	945
Institutional and Programme Support	1 000	–	–	(55)	–	–	(55)	945
2. Research, Development and Innovation								
Departmental agencies and accounts								
Departmental agencies (non-business entities)								
Current	218 107	–	–	(12 084)	–	–	(12 084)	206 023
Biotechnology Strategy	–	–	–	7 500	–	–	7 500	7 500
HIV/ Aids Prevention and Treatment Technologies	17 228	–	–	(17 228)	–	–	(17 228)	–
Innovation Fund	151 229	–	–	(2 000)	–	–	(2 000)	149 229
Hydrogen Strategy	–	–	–	16 500	–	–	16 500	16 500
Innovation Projects	–	–	–	3 000	–	–	3 000	3 000
International Centre for Genetic Engineering and Biotechnology	9 930	–	–	(9 930)	–	–	(9 930)	–
Energy Grand Challenge	39 720	–	–	(31 106)	–	–	(31 106)	8 614
Space Science	–	–	–	9 180	–	–	9 180	9 180
Square Kilometer Array	–	–	–	12 000	–	–	12 000	12 000
Capital	–	–	–	492 225	–	–	492 225	492 225
Space Science (Capital)	–	–	–	1 932	–	–	1 932	1 932
Square Kilometer Array (Capital)	–	–	–	490 293	–	–	490 293	490 293
Universities and Technikons								
Current	–	–	–	43 118	–	–	43 118	43 118
Hydrogen Strategy	–	–	–	28 468	–	–	28 468	28 468
Energy Grand Challenge	–	–	–	14 650	–	–	14 650	14 650
Capital	–	–	–	44 229	–	–	44 229	44 229
Hydrogen Strategy (Capital)	–	–	–	44 229	–	–	44 229	44 229
Public corporations and private enterprises								
Public corporations								
Other transfers								
Current	–	–	–	39 154	–	–	39 154	39 154
Hydrogen Strategy	–	–	–	6 000	–	–	6 000	6 000
Innovation Fund	–	–	–	2 000	–	–	2 000	2 000
Energy Grand Challenge	–	–	–	14 415	–	–	14 415	14 415
Space Science	–	–	–	16 739	–	–	16 739	16 739
Capital	–	–	–	34 471	–	–	34 471	34 471
Space Science (Capital)	–	–	–	34 471	–	–	34 471	34 471

Summary of changes to transfers and subsidies

R thousands	2009/10							
	Main appropriation	Additional appropriation						Adjusted appropriation
		Roll-over	Unforeseeable/unavoidable	Virement	Function shift	Other adjustments	Total additional appropriation	
Non-profit institutions								
Current	269 087	–	–	(67 080)	–	–	(67 080)	202 007
Biotechnology Strategy	180 000	–	–	(7 500)	–	–	(7 500)	172 500
HIV/ Aids Prevention and Treatment Technologies	–	–	–	17 228	–	–	17 228	17 228
Hydrogen Strategy	51 168	–	–	(50 968)	–	–	(50 968)	200
Energy Grand Challenge	–	–	–	2 149	–	–	2 149	2 149
International Centre for Genetic Engineering and Biotechnology	–	–	–	9 930	–	–	9 930	9 930
Space Science	25 919	–	–	(25 919)	–	–	(25 919)	–
Square Kilometer Array	12 000	–	–	(12 000)	–	–	(12 000)	–
Capital	570 925	–	–	(570 925)	–	–	(570 925)	–
Hydrogen Strategy (Capital)	44 229	–	–	(44 229)	–	–	(44 229)	–
Space Science (Capital)	36 403	–	–	(36 403)	–	–	(36 403)	–
Square Kilometer Array (Capital)	490 293	–	–	(490 293)	–	–	(490 293)	–
3. International Cooperation and Resources								
Departmental agencies and accounts								
Departmental agencies (non-business entities)								
Current	–	–	–	9 449	–	–	9 449	9 449
Global Science - Bilateral Cooperation	–	–	–	5 534	–	–	5 534	5 534
Global Science - International Resources	–	–	–	3 115	–	–	3 115	3 115
Global Science - Multilaterals and Africa	–	–	–	800	–	–	800	800
Universities and Technikons								
Current	–	–	–	2 980	–	–	2 980	2 980
Global Science - International Resources	–	–	–	400	–	–	400	400
Global Science - Multilaterals and Africa	–	–	–	2 580	–	–	2 580	2 580
Public corporations and private enterprises								
Public corporations								
Other transfers								
Current	–	–	–	21 512	–	–	21 512	21 512
Global Science - Bilateral Cooperation	–	–	–	3 466	–	–	3 466	3 466
Global Science - International Resources	–	–	–	12 196	–	–	12 196	12 196
Global Science - Multilaterals and Africa	–	–	–	5 850	–	–	5 850	5 850
Non-profit institutions								
Current	49 850	–	–	(36 654)	–	–	(36 654)	13 196
Global Science - Bilateral Cooperation	9 000	–	–	(9 000)	–	–	(9 000)	–
Global Science - International Resources	30 500	–	–	(18 424)	–	–	(18 424)	12 076
Global Science - Multilaterals and Africa	10 350	–	–	(9 230)	–	–	(9 230)	1 120

Summary of changes to transfers and subsidies

2009/10								
R thousand	Main appropriation	Additional appropriation					Adjusted appropriation	
		Roll-over	Unforeseeable/unavoidable	Virement	Function shift	Other adjustments		Total additional appropriation
4. Human Capital and Knowledge Systems								
Departmental agencies and accounts								
Departmental agencies (non-business entities)								
Current	972 888	–	7 323	76 902	–	–	84 225	1 057 113
Emerging Research Areas	–	–	–	14 000	–	–	14 000	14 000
Human Resources Development	281 180	–	–	(17 036)	–	–	(17 036)	264 144
Indigenous Knowledge System	–	–	–	10 249	–	–	10 249	10 249
National Research Foundation	691 708	–	7 323	(6 900)	–	–	423	692 131
Science and Youth	–	–	–	18 800	–	–	18 800	18 800
Science Themes	–	–	–	57 789	–	–	57 789	57 789
Capital	296 582	–	–	(179 352)	–	–	(179 352)	117 230
Research and Development	203 108	–	–	(85 878)	–	–	(85 878)	117 230
Infrastructure	93 474	–	–	(93 474)	–	–	(93 474)	–
South African National Research Network								
Universities and Technikons								
Current	–	–	–	9 728	–	–	9 728	9 728
Emerging Research Areas	–	–	–	5 400	–	–	5 400	5 400
Indigenous Knowledge System	–	–	–	4 028	–	–	4 028	4 028
Science and Youth	–	–	–	200	–	–	200	200
Women in Science	–	–	–	100	–	–	100	100
Capital	–	–	–	13 000	–	–	13 000	13 000
Research and Development	–	–	–	13 000	–	–	13 000	13 000
Infrastructure								
Public corporations and private enterprises								
Public corporations								
Other transfers								
Current	–	–	–	102 499	–	–	102 499	102 499
Emerging Research Areas	–	–	–	27 899	–	–	27 899	27 899
Human Resources Development	–	–	–	2 000	–	–	2 000	2 000
Indigenous Knowledge System	–	–	–	1 661	–	–	1 661	1 661
Science and Youth	–	–	–	9 255	–	–	9 255	9 255
Women in Science	–	–	–	335	–	–	335	335
Centre for High Performance Computing	–	–	–	61 349	–	–	61 349	61 349
Capital	–	–	–	199 901	–	–	199 901	199 901
Centre for High Performance Computing	–	–	–	1 414	–	–	1 414	1 414
National Nanotechnology Centres	–	–	–	34 905	–	–	34 905	34 905
South African National Research Network	–	–	–	93 474	–	–	93 474	93 474
Research and Development Infrastructure	–	–	–	70 108	–	–	70 108	70 108
Non-profit institutions								
Current	248 828	–	–	(203 541)	–	–	(203 541)	45 287
Centre for High Performance Computing	61 349	–	–	(61 349)	–	–	(61 349)	–
Emerging Research Areas	59 811	–	–	(57 811)	–	–	(57 811)	2 000
Human Resources Development	–	–	–	19 036	–	–	19 036	19 036
Indigenous Knowledge System	15 938	–	–	(15 938)	–	–	(15 938)	–
Science and Youth	52 325	–	–	(29 255)	–	–	(29 255)	23 070
Science Themes	58 970	–	–	(57 789)	–	–	(57 789)	1 181
Women in Science	435	–	–	(435)	–	–	(435)	–

Summary of changes to transfers and subsidies

2009/10								
R thousand	Main appropriation	Additional appropriation					Total additional appropriation	Adjusted appropriation
		Roll-over	Unforeseeable/unavoidable	Virement	Function shift	Other adjustments		
Capital	31 319	–	–	(29 319)	–	–	(29 319)	2 000
National Nanotechnology Centres	29 905	–	–	(29 905)	–	–	(29 905)	–
Centre for High Performance Computing	1 414	–	–	(1 414)	–	–	(1 414)	–
Research and Development Infrastructure	–	–	–	2 000	–	–	2 000	2 000
5. Socio-Economic Partnerships								
Departmental agencies and accounts								
Departmental agencies (non-business entities)								
Current	389 004	–	4 105	(201 476)	–	–	(197 371)	191 633
Advanced Manufacturing Technology Strategy	47 664	–	–	(47 664)	–	–	(47 664)	–
Global Change Science and Technology	22 839	–	–	(3 405)	–	–	(3 405)	19 434
Human and Social Development Dynamics	23 335	–	–	(22 321)	–	–	(22 321)	1 014
Human Science Research Council	157 580	–	4 105	4 500	–	–	8 605	166 185
Local Manufacturing Capacity	25 665	–	–	(25 665)	–	–	(25 665)	–
Local Systems of Innovation	7 758	–	–	(2 758)	–	–	(2 758)	5 000
Resource Based Industries	34 870	–	–	(34 870)	–	–	(34 870)	–
Technology for Sustainable Livelihoods	32 856	–	–	(32 856)	–	–	(32 856)	–
Tshumisano Trust	36 437	–	–	(36 437)	–	–	(36 437)	–
Universities and Technikons								
Current	–	–	–	6 765	–	–	6 765	6 765
Global Change Science and Technology	–	–	–	15	–	–	15	15
Local Manufacturing Capacity	–	–	–	6 750	–	–	6 750	6 750
Public corporations and private enterprises								
Public corporations								
Other transfers								
Current	581 052	–	11 432	214 010	–	–	225 442	806 494
Advanced Manufacturing Technology Strategy	–	–	–	47 664	–	–	47 664	47 664
Human and Social Development Dynamics	–	–	–	17 821	–	–	17 821	17 821
Council for Scientific and Industrial Research	581 052	–	11 432	6 900	–	–	18 332	599 384
Global Change Science and Technology	–	–	–	3 390	–	–	3 390	3 390
Information Communication Technology	–	–	–	55 586	–	–	55 586	55 586
Local Manufacturing Capacity	–	–	–	12 165	–	–	12 165	12 165
Local Systems of Innovation	–	–	–	2 758	–	–	2 758	2 758
Resource Based Industries	–	–	–	34 870	–	–	34 870	34 870
Technology for Sustainable Livelihoods	–	–	–	32 856	–	–	32 856	32 856
Non-profit institutions								
Current	55 586	–	–	(12 399)	–	–	(12 399)	43 187
Information Communication Technology	55 586	–	–	(55 586)	–	–	(55 586)	–
Local Manufacturing Capacity	–	–	–	6 750	–	–	6 750	6 750
Tshumisano Trust	–	–	–	36 437	–	–	36 437	36 437

