

Vote Science and Innovation

MINISTER(S) RESPONSIBLE FOR APPROPRIATIONS: Minister of Science and Innovation (M84)

ADMINISTERING DEPARTMENT: Ministry of Business, Innovation and Employment

MINISTER RESPONSIBLE FOR MINISTRY OF BUSINESS, INNOVATION AND EMPLOYMENT:
Minister for Economic Development

Overview of the Vote

The Minister of Science and Innovation is responsible for appropriations in the Vote for the 2013/14 financial year covering the following:

Departmental appropriations consisting of:

- just under \$30 million for advice and support to shape the science and innovation system, including policy advice, public consultation and engagement on National Science Challenges, contract management and strategic leadership in the Science and Innovation sector.

Non-departmental appropriations consisting of:

- under \$202 million for Crown Research Institutes (CRI's) to provide greater financial certainty to deliver outcomes for the benefit of New Zealand and to assist the CRI's to contribute to the outcomes in their statement of core purpose
- just over \$303 million for research and research applications in the areas of high value manufacturing and services, biological industries, health and society, environmental, hazards and infrastructure and energy and minerals
- under \$145 million for Research and Development Growth Grants multi-year appropriation (MYA), Targeted Business Research and Development Funding MYA, and Repayable Grants for Start-Ups
- just over \$42 million for National Science Challenges to fund specific research projects in seeking answers to the most pressing issues of national significance facing New Zealand
- under \$19 million for services by the Crown entity Callaghan Innovation for development and maintenance of strategic capabilities required to meet immediate and future needs of business and industry
- under \$52 million for the Marsden Fund for excellent fundamental research
- under \$9 million for fellowships and grants to support the development of future research leaders
- under \$13 million for contract management services with regard to research, science and technology contract with organisations or individuals
- just under \$9 million for engaging New Zealanders with science and technology
- just over \$16 million for the advice, brokerage and networking services provided by Callaghan Innovation
- over \$6 million for Research Contract Management
- under \$6 million for providing specified standards to meet the needs for traceable physical measurements in New Zealand, and
- under \$7 million for the development of skilled people and organisations undertaking research that supports the four themes of Vision Mātauranga.

Non-departmental other expenses consisting of:

- under \$38 million for grants to organisations in New Zealand and overseas which ensures infrastructures and projects that have system-wide benefits or are too large for any one institution to fund, but are of benefit to New Zealand, can take place, and
- a total of \$135,000 for membership to the Convention du Metre.

Non-departmental capital expenditure consisting of:

- just under \$32 million to support the establishment and development of an advanced technology institute as the Crown entity Callaghan Innovation.

Departmental capital expenditure: please note that as a result of the formation of Ministry of Business, Innovation and Employment all departmental capital expenditure is now under Vote Economic Development.

Details of these appropriations are set out in Parts 2-6 for Vote Science and Innovation in the *Information Supporting the Estimates of Appropriations*.

Details of Appropriations

Details of Annual and Permanent Appropriations

Titles and Scopes of Appropriations by Appropriation Type	2012/13		2013/14
	Budgeted \$000	Estimated Actual \$000	Budget \$000
Departmental Output Expenses			
<i>Advice and Support on Shaping the Science and Innovation System MCOA (M84)</i>	33,078	33,078	29,632
<i>Policy Advice</i> This output class is limited to the provision of advice (including second opinion advice and contributions to policy advice led by other agencies) to support decision making by Ministers on government policy matters.	4,406	4,406	5,097
<i>Public consultation and engagement on National Science Challenges</i> This output class is limited to costs of public engagement on National Science Challenges.	1,250	1,250	-
<i>Science and Innovation Contract Management</i> This output class is limited to contract management, planning, monitoring and evaluating science and innovation outputs and impacts.	12,618	12,618	10,988
<i>Strategic Leadership in the Science and Innovation Sector</i> This output class is limited to ministerial services and leadership of the science and innovation sector.	14,804	14,804	13,547
Total Departmental Output Expenses	33,078	33,078	29,632
Non-Departmental Output Expenses			
<i>Biological Industries Research (M84)</i> This appropriation is limited to research and research applications to support productivity growth and sustainability of New Zealand's primary industries, and the development of premium food and industrial biological products and technologies responsive to global consumer preferences.	106,452	106,452	100,700
<i>Building Innovation Potential (M84)</i> This appropriation is limited to activities which build innovation potential through providing and enhancing access to information, training, mentoring, foresighting, networking and leadership across the innovation system, and facilitating human capital mobility, for both businesses and Research Science and Technology providers.	-	-	6,178
<i>Business Research and Development Contract Management (M84)</i> This appropriation is limited to selection of businesses or individuals for either the provision of Research Science and Technology output, or the award of grants, and to negotiate, manage and monitor appropriate contracts with these businesses or individuals.	2,526	2,526	6,256
<i>Callaghan Innovation Strategic Investment (M84)</i> This appropriation is limited to Callaghan Innovation for the development and maintenance of science, engineering, technology, design and other strategic capabilities required to develop, deliver, improve and evaluate its services and activities to meet the immediate and future needs of business and industry, and to facilitate its interactions with Research Science and Technology providers.	-	-	18,523
<i>Crown Research Institute Core Funding (M84)</i> This appropriation is limited to Crown Research Institutes to create and maintain capability that is required for their core purpose and strategy.	215,514	215,514	201,622
<i>Energy and Minerals Research (M84)</i> This appropriation is limited to research and research applications to improve mineral extraction, improve energy security and to obtain efficient and affordable energy use.	11,776	11,776	11,725

Titles and Scopes of Appropriations by Appropriation Type	2012/13		2013/14
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<i>Engaging New Zealanders with Science and Technology (M84)</i> This appropriation is limited to engaging New Zealanders with science and technology through approaches determined by the Minister.	10,433	10,433	8,969
<i>Environmental Research (M84)</i> This appropriation is limited to research and research applications to underpin the management, protection and enhancement of natural ecosystems, land and freshwater resources, climate and atmosphere within New Zealand, including Antarctica.	33,238	33,238	33,171
<i>Fellowships for Excellence (M84)</i> This appropriation is limited to encouraging the career development of the country's talented early and mid-career researchers.	13,355	13,355	8,570
<i>Hazards and Infrastructure Research (M84)</i> This appropriation is limited to research and research applications to support hazard management and improve the durability of NZ urban and rural settlements.	14,783	14,783	14,614
<i>Health and Society Research (M84)</i> This appropriation is limited to research and research applications to improve the health and social well-being of New Zealanders.	82,727	82,727	81,885
<i>High Value Manufacturing and Services Research (M84)</i> This appropriation is limited to research and research applications to develop new technologies, novel materials, and new products, processes and services for the manufacturing and technology sectors.	187,494	187,494	61,060
<i>Marsden Fund (M84)</i> This appropriation is limited to excellent investigator-initiated research.	46,755	46,755	51,755
<i>National Measurement Standards (M84)</i> This appropriation is limited to providing specified standards to satisfy the needs for traceable physical measurement in New Zealand.	5,764	5,764	5,764
<i>National Science Challenges (M84)</i> This appropriation is limited to research and research applications to find innovative solutions to fundamental issues New Zealand faces in its future development.	-	-	42,100
<i>Realising the Benefits of Innovation (M84)</i> This appropriation is limited to activities that build the level of, and returns from, science and technology-driven innovation through providing tailored brokerage and access to advice, technical services and facilities, and creating linkages, projects and collaborations between business and industry and Research Science and Technology providers.	-	-	17,500
<i>Repayable Grants for Start-Ups (M84)</i> This appropriation is limited to start-up funding for early-stage businesses.	-	-	3,100
<i>Research Contract Management (M84)</i> This appropriation is limited to selection of research, science and technology-related organisations and individuals for either the provision of research, science and technology outputs, or the award of grants; and negotiate, manage and monitor appropriate contracts with those organisations or individuals.	6,482	6,482	6,492
<i>Vision Mātauranga Capability Fund (M84)</i> This appropriation is limited to the development of skilled people and organisations undertaking research that supports the four themes of Vision Mātauranga; indigenous innovation, environmental sustainability, health and social well being, and exploring indigenous knowledge.	4,167	4,167	6,567
Total Non-Departmental Output Expenses	741,466	741,466	686,551

Titles and Scopes of Appropriations by Appropriation Type	2012/13		2013/14
	Budgeted \$000	Estimated Actual \$000	Budget \$000
Non-Departmental Other Expenses			
<i>Advanced Network Capacity (M84)</i> This appropriation is limited to a grant to contribute to the operation of the Kiwi Advanced Research and Education Network ensuring advanced network capacity that will underpin New Zealand research.	-	-	4,000
<i>Australian Synchrotron (M84)</i> This appropriation is limited to a grant being New Zealand Government's contribution to the operation of a synchrotron located in Victoria, Australia.	-	-	7,500
<i>Convention Du Metre (M84)</i> This appropriation is limited to the payment of New Zealand's annual subscription to the Convention du Metre.	135	135	135
<i>International Relationships (M84)</i> This appropriation is limited to grants for international research relationships.	9,851	9,851	8,951
<i>National eScience Infrastructure (M84)</i> This appropriation is limited to a grant to contribute to the operation of the National eScience Infrastructure, including high-performance computational infrastructure and associated eScience services, that will support New Zealand research.	8,350	8,350	9,773
<i>Royal Society of New Zealand (M84)</i> This appropriation is limited to an annual grant to the Royal Society of New Zealand to contribute towards the Society's aims and functions under the Royal Society of New Zealand Act 1997 to promote and advance science and technology.	500	500	500
<i>Science Collections and Infrastructure (M84)</i> This appropriation is limited to grants to contribute to the maintenance and retention of databases, collections and significant infrastructure dedicated to research purposes.	5,760	5,760	6,860
<i>Genomics Research Infrastructure (M84)</i> This appropriation is limited to a grant to contribute towards the purchase and operation of infrastructure that will support genomics research.	1,175	1,175	-
Total Non-Departmental Other Expenses	25,771	25,771	37,719
Non-Departmental Capital Expenditure			
<i>Advanced Technology Institute (M84)</i> This appropriation is limited to capital expenditure to support the establishment and development of an advanced technology institute.	-	-	31,900
Total Non-Departmental Capital Expenditure	-	-	31,900
Total Annual and Permanent Appropriations	800,315	800,315	785,802

Details of Multi-Year Appropriations

Type, Title, Scope and Period of Appropriations	Appropriations, Adjustments and Use	\$'000	
Non-Departmental Output Expenses			
<i>Research and Development Growth Grants (M84)</i>	Original Appropriation	393,000	
<p>This appropriation is limited to co-funding for private businesses to invest in a multi-year programme of research and development.</p> <p>Commences: 1 July 2013</p> <p>Expires: 30 June 2017</p>	Adjustments to 2011/12	-	
	Adjustments for 2012/13	-	
	Adjusted Appropriation	393,000	
	Actual to 2011/12 Year End	-	
	Estimated Actual for 2012/13	-	
	Estimated Actual for 2013/14	90,900	
	Estimated Appropriation Remaining	302,100	
	<i>Targeted Business Research and Development Funding (M84)</i>	Original Appropriation	173,000
	<p>This appropriation is limited to co-funding for private businesses to undertake research and development projects and for funding students to work in research and development active businesses.</p> <p>Commences: 1 July 2013</p> <p>Expires: 30 June 2017</p>	Adjustments to 2011/12	-
Adjustments for 2012/13		-	
Adjusted Appropriation		173,000	
Actual to 2011/12 Year End		-	
Estimated Actual for 2012/13		-	
Estimated Actual for 2013/14		50,600	
Estimated Appropriation Remaining		122,400	