

# *Vote Science and Innovation*

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

ADMINISTERING DEPARTMENT: Ministry of Science and Innovation

MINISTER RESPONSIBLE FOR MINISTRY OF SCIENCE AND INNOVATION: Minister of Science and Innovation

## Overview of the Vote

The Minister of Science and Innovation is responsible for appropriations in Vote Science and Innovation of \$833 million, a net increase of \$40 million. Appropriations for the 2012/13 financial year cover the following:

- outputs purchased directly from the Ministry of Science and Innovation, and
- a total of just over \$35 million (4% of the Vote) for Strategic Leadership in the Science and Innovation Sector, Science and Innovation Contract Management, and Policy Advice.

Outputs purchased through Non-Departmental Expenses:

- \$220 million (26% of the Vote) for CRI Core Funding
- \$178 million (21% of the Vote) for High Value Manufacturing and Services Research
- \$106 million (13% of the Vote) for Biological Industries Research
- \$84 million (10% of the Vote) for Health and Society Research
- \$47 million (6% of the Vote) for Marsden Fund
- \$33 million (4% of the Vote) for Environmental Research
- \$14 million (2% of the Vote) for National Science Challenges
- \$14 million (2% of the Vote) for Hazards and Infrastructure Research
- \$13 million (2% of the Vote) for Fellowships for Excellence
- \$12 million (1% of the Vote) for Energy and Minerals Research
- \$10 million (1% of the Vote) for Engaging New Zealanders with Science and Technology
- \$6 million (less than 1% of the Vote) for Research Contract Management
- \$6 million (less than 1% of the Vote) for Vision Mātauranga Capability Fund
- \$6 million (less than 1% of the Vote) for National Measurement Standards, and
- \$35 million (4% of the Vote) for other expenses, including International Relationships, National eScience Infrastructure, Genomics Research Infrastructure, Australian Synchrotron, Convention du Metre, Royal Society of New Zealand and Science Collections and Infrastructure.

Non-Departmental Capital Appropriations:

- just under \$12 million on an advanced technology institute.

Departmental Capital Appropriations:

- just under \$2 million on information systems for the Ministry of Science and Innovation.

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	2011/12		2012/13
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<b>Departmental Output Expenses</b>			
<b><i>Advice and Support on Shaping the Science and Innovation System MCOA (M84)</i></b>	35,643	35,449	35,272
<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.	-	-	4,712
<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.	15,300	15,195	14,445
<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.	20,343	20,254	16,115
<b><i>Cross Agency Research (M84)</i></b> This appropriation is limited to research to assist policy development for the achievement of Government priorities.	900	900	-
<b>Total Departmental Output Expenses</b>	<b>36,543</b>	<b>36,349</b>	<b>35,272</b>
<b>Non-Departmental Output Expenses</b>			
<b><i>Biological Industries Research (M84)</i></b> 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.	108,869	105,213	105,637
<b><i>Crown Research Institute Core Funding (M84)</i></b> This appropriation is limited to Crown Research Institutes to create and maintain capability that is required for their core purpose and strategy.	220,145	220,145	220,145
<b><i>Energy and Minerals Research (M84)</i></b> This appropriation is limited to research and research applications to improve mineral extraction, improve energy security and to obtain efficient and affordable energy use.	13,457	13,215	11,572
<b><i>Engaging New Zealanders with Science and Technology (M84)</i></b> This appropriation is limited to engaging New Zealanders with science and technology through approaches determined by the Minister.	9,189	9,189	10,433
<b><i>Environmental Research (M84)</i></b> 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.	35,211	34,961	33,238
<b><i>Fellowships for Excellence (M84)</i></b> This appropriation is limited to encouraging the career development of the country's talented early and mid-career researchers.	11,479	9,879	13,355
<b><i>Hazards and Infrastructure Research (M84)</i></b> This appropriation is limited to research and research applications to support hazard management and improve the durability of NZ urban and rural settlements.	14,343	13,440	14,265

Titles and Scopes of Appropriations by Appropriation Type	2011/12		2012/13
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<b>Non-Departmental Output Expenses - cont'd</b>			
<b><i>Health and Society Research (M84)</i></b> This appropriation is limited to research and research applications to improve the health and social well-being of New Zealanders.	84,970	84,970	83,958
<b><i>High Value Manufacturing and Services Research (M84)</i></b> 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.	160,464	150,733	177,715
<b><i>Marsden Fund (M84)</i></b> This appropriation is limited to excellent investigator-initiated research.	46,755	46,755	46,755
<b><i>National Measurement Standards (M84)</i></b> 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
<b><i>National Science Challenges (M84)</i></b> This appropriation is limited to research and research applications to find innovative solutions to fundamental issues New Zealand faces in its future development.	-	-	14,500
<b><i>Research Contract Management (M84)</i></b> 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.	6,412	6,412	6,482
<b><i>Vision Mātauranga Capability Fund (M84)</i></b> 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.	6,595	6,595	5,967
<b>Total Non-Departmental Output Expenses</b>	<b>723,653</b>	<b>707,271</b>	<b>749,786</b>
<b>Non-Departmental Other Expenses</b>			
<b><i>Australian Synchrotron (M84)</i></b> 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
<b><i>Convention Du Metre (M84)</i></b> This appropriation is limited to the payment of New Zealand's annual subscription to the Convention du Metre.	135	135	135
<b><i>Genomics Research Infrastructure (M84)</i></b> This appropriation is limited to a grant to contribute towards the purchase and operation of infrastructure that will support genomics research.	5,600	5,600	4,700
<b><i>International Relationships (M84)</i></b> This appropriation is limited to grants for international research relationships.	9,621	9,621	9,851
<b><i>National eScience Infrastructure (M84)</i></b> 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.	9,601	9,601	7,182
<b><i>Royal Society of New Zealand (M84)</i></b> 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

Titles and Scopes of Appropriations by Appropriation Type	2011/12		2012/13
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<b><i>Science Collections and Infrastructure (M84)</i></b>	4,760	4,760	4,760
This appropriation is limited to grants to contribute to the maintenance and retention of databases, collections and significant infrastructure dedicated to research purposes.			
<b><i>Advanced Network Capability Building (M84)</i></b>	173	173	-
This appropriation is limited to a grant for the development of capability within the Advanced Network user group (including Tertiary Education Institutes and Crown Research Institutes) to make effective use of the Kiwi Advanced Research and Education Network.			
<b>Total Non-Departmental Other Expenses</b>	<b>30,390</b>	<b>30,390</b>	<b>34,628</b>
<b>Departmental Capital Expenditure</b>			
<b><i>Ministry of Science and Innovation - Capital Expenditure PLA (M84)</i></b>	2,446	2,446	1,768
This appropriation is limited to the purchase or development of assets by and for the use of the Ministry of Science and Innovation, as authorised by section 24(1) of the Public Finance Act 1989.			
<b>Total Departmental Capital Expenditure</b>	<b>2,446</b>	<b>2,446</b>	<b>1,768</b>
<b>Non-Departmental Capital Expenditure</b>			
<b><i>Advanced Technology Institute (M84)</i></b>	-	-	11,900
This appropriation is limited to capital expenditure to support the establishment and development of an advanced technology institute.			
<b>Total Non-Departmental Capital Expenditure</b>	<b>-</b>	<b>-</b>	<b>11,900</b>
<b>Total Annual and Permanent Appropriations</b>	<b>793,032</b>	<b>776,456</b>	<b>833,354</b>

# Details of Projected Movements in Departmental Net Assets

## Ministry of Science and Innovation

Details of Net Asset Schedule	2011/12 Estimated Actual \$000	2012/13 Projected \$000	Explanation of Projected Movements in 2012/13
Opening Balance	11,250	5,750	
Capital Injections	500	-	
Capital Withdrawals	(6,000)	-	
Surplus to be Retained (Deficit Incurred)	-	-	
Other Movements	-	-	
Closing Balance	5,750	5,750	