

# *Vote Research, Science and Technology*

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MINISTER(S) RESPONSIBLE FOR APPROPRIATIONS: Minister of Research, Science and Technology (M56)

ADMINISTERING DEPARTMENT: Ministry of Research, Science and Technology

MINISTER RESPONSIBLE FOR MINISTRY OF RESEARCH, SCIENCE AND TECHNOLOGY :  
Minister of Research, Science and Technology

## Overview of the Vote

The Minister of Research, Science and Technology is responsible for appropriations in Vote Research, Science and Technology (RST) for the 2008/09 financial year covering the following:

### Departmental Appropriations

- A total of nearly \$14 million (2% of the Vote) for advice on science and innovation that supports New Zealand's knowledge base and its capacity to innovate, and for managing Vote RST contracts and agreements, and delivering on the outcome for science and technology transforming New Zealanders' lives.

### Non-Departmental Appropriations

- A total of nearly \$522 million (71% of the Vote) contributes toward the innovative and productive workplaces sub-theme for Government's priority for economic transformation.
- A total of nearly \$19 million (3% of the Vote) contributes toward the world-class infrastructure sub-theme for Government's priority for economic transformation.
- A total of nearly \$106 million (14% of the Vote) contributes toward the environmental sustainability sub-theme for Government's priority for economic transformation.
- A total of nearly \$63 million (9% of the Vote) contributes toward the better health for all sub-theme for Government's priority for families - young and old.
- A total of nearly \$6 million (1% of the Vote) contributes generally toward the Government's priority for families - young and old.
- A total of nearly \$716 million for science and technology transforming New Zealanders' lives.

Details of these appropriations are set out in Parts 2-6 for Vote Research, Science and Technology 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	2007/08		2008/09
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<b>Departmental Output Expenses</b>			
<b>Advice on Shaping the Science System MCOA (M56)</b>	14,088	14,088	14,216
<i>Contract Management</i>	1,089	1,089	1,089
Negotiating, managing and monitoring contracts with the Crown's funding and investment agents and with other specific science and technology service providers.			
<i>Policy Advice</i>	12,999	12,999	13,127
Policy advice on research, science and technology. This includes investment strategies, the performance and integration of the innovation system, scientific technical advice and ministerial services.			
<b>Total Departmental Output Expenses</b>	14,088	14,088	14,216
<b>Non-Departmental Output Expenses</b>			
<b>Engaging New Zealanders with Science and Technology (M56)</b>	4,513	4,513	6,071
This appropriation is limited to supporting activities that engage with New Zealanders about the role of RS&T in supporting innovation, as determined by the Minister.			
<b>Environmental Research (M56)</b>	91,671	91,671	106,125
This appropriation is limited to obtaining public good science and technology that enhances the understanding and management of our environment.			
<b>Global Technology Partnership (M56)</b>	564	564	401
This appropriation is limited to services that provide New Zealand firms with access to information about international RS&T markets and expertise.			
<b>Health Research (M56)</b>	58,955	58,955	62,955
This appropriation is limited to obtaining public good science and technology that improves the health status of New Zealanders.			
<b>International Science and Technology Linkages (M56)</b>	3,257	3,257	3,377
This appropriation is limited to promoting and supporting New Zealand RS&T internationally as determined by the Minister.			
<b>Māori Knowledge and Development Research (M56)</b>	4,867	4,867	4,867
This appropriation is limited to obtaining public good science and technology that unlocks the innovation potential of Māori knowledge.			
<b>Marsden Fund (M56)</b>	35,878	35,878	37,878
This appropriation is limited to obtaining excellent basic research that broadens and deepens the research skill base in New Zealand, regardless of whether the research contributes to the Government's socio-economic priorities.			
<b>National Measurement Standards (M56)</b>	5,764	5,764	5,764
This appropriation is limited to providing specified standards to satisfy the needs for traceable physical measurement in New Zealand.			

Titles and Scopes of Appropriations by Appropriation Type	2007/08		2008/09
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<b>Non-Departmental Output Expenses - cont'd</b>			
<b>New Economy Research Fund (M56)</b> This appropriation is limited to obtaining investigator-initiated research that stimulates the emergence and growth of new knowledge-intensive enterprises.	64,203	64,203	73,033
<b>Research and Development Facilitation and Promotion Service (M56)</b> This appropriation is limited to purchasing services that promote the commercialisation of research and development, and facilitate linkages between firms and research organisations.	600	600	5,000
<b>Research Contract Management (M56)</b> This appropriation is limited to purchasing services that select RS&T related organisations and individuals for either the provision of RS&T outputs, or the award of grants; and negotiate, manage and monitor appropriate contracts with those organisations or individuals.	21,614	21,614	22,156
<b>Research for Industry (M56)</b> This appropriation is limited to obtaining public good science and technology that improves the competitiveness of the industrial sector.	192,882	192,882	215,818
<b>Social Research (M56)</b> This appropriation is limited to obtaining public good science and technology that improves social well being.	5,860	5,860	5,860
<b>Sustainable Energy Development (M56)</b> This appropriation is limited to providing financial assistance to private and public organisations demonstrating the potential of new sustainable low carbon energy technologies.	-	-	4,000
<b>Advanced Network (M56)</b> Operating a high-speed research and education data network connecting education and RS&T institutions throughout New Zealand in accordance with the objectives outlined in the relevant output agreement.	247	247	-
<b>CRI Capability Fund (M56)</b> Maintaining and developing the capabilities of CRIs to fulfil their purpose.	50,612	50,612	-
<b>International Investment Opportunities Fund (M56)</b> Supporting the ability of research providers to participate in international research collaborations and to recruit highly experienced researchers from overseas.	5,156	5,156	-
<b>Pre-Seed Accelerator Fund (M56)</b> Accelerating the rate of commercialisation of research developed through publicly funded research.	5,600	5,600	-
<b>Supporting Promising Individuals (M56)</b> Development of human resources in RS&T through awards and fellowships. The recipients include post-doctoral researchers, teachers, and technologists.	18,408	18,408	-
<b>Technology New Zealand (M56)</b> Enhancing the technological capability of businesses to grow through the development and adoption of new technologies.	35,001	35,001	-
<b>Total Non-Departmental Output Expenses</b>	<b>605,652</b>	<b>605,652</b>	<b>553,305</b>

Titles and Scopes of Appropriations by Appropriation Type	2007/08		2008/09
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<b>Non-Departmental Other Expenses</b>			
<b>Advanced Network (M56)</b> This appropriation is limited to a grant towards a high-speed research and education data network connecting education and RS&T institutions throughout New Zealand	-	-	7,773
<b>Advanced Network Capability Building (M56)</b> 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 Advanced Network.	1,221	1,221	5,026
<b>Advanced Network CRI Tariffs (M56)</b> This appropriation is limited to the payment for tariffs incurred by the usage of the advanced network (KAREN) by Crown Research Institutes.	741	741	741
<b>Australian Synchrotron (M56)</b> This appropriation is limited to a grant being New Zealand Government's contribution to the operation of a synchrotron located in Victoria, Australia.	609	609	808
<b>Convention Du Metre (M56)</b> This appropriation is limited to the payment of New Zealand's annual subscription to the Convention du Metre.	99	99	95
<b>CRI Capability Fund (M56)</b> This appropriation is limited to a grant to each Crown Research Institute (CRI) for maintaining and developing the capabilities of CRIs to fulfil their purpose.	-	-	50,612
<b>International Investment Opportunities Fund (M56)</b> This appropriation is limited to grants that support the ability of research providers to participate in international research collaborations and to recruit highly experienced researchers from overseas.	-	-	12,977
<b>Pre-Seed Accelerator Fund (M56)</b> This appropriation is limited to grants to eligible organisations to accelerate their rate of commercialisation of publicly funded research.	-	-	9,156
<b>Rutherford Foundation (M56)</b> This appropriation is limited to a grant towards the development of human resources in research, science and technology.	-	-	1,000
<b>Supporting Promising Individuals (M56)</b> This appropriation is limited to grants to organisations and individuals that develop human resources in RS&T.	-	-	19,082
<b>Technology New Zealand (M56)</b> This appropriation is limited to grants that enhance the technological capability of businesses through the development and adoption of new technologies and new technological business practices.	-	-	50,934
<b>Carter Observatory Grant (M56)</b> Grant to the Carter Observatory to allow for the redevelopment of the Carter Observatory.	575	575	-
<b>Total Non-Departmental Other Expenses</b>	<b>3,245</b>	<b>3,245</b>	<b>158,204</b>

Titles and Scopes of Appropriations by Appropriation Type	2007/08		2008/09
	Budgeted \$000	Estimated Actual \$000	Budget \$000
<b>Departmental Capital Expenditure</b>			
<b>Ministry of Research, Science and Technology - Capital Expenditure PLA (M56)</b> This appropriation is limited to the purchase or development of assets by and for the use of the Ministry of Research, Science and Technology, as authorised by section 24(1) of the Public Finance Act 1989	804	804	331
<b>Total Departmental Capital Expenditure</b>	804	804	331
<b>Non-Departmental Capital Expenditure</b>			
<b>Equity Investment Fund (M56)</b> This appropriation is to provide targeted equity investments into publicly funded research institutes to develop commercial prospects.	3,900	3,900	4,100
<b>Industrial Research Limited (M56)</b> This appropriation is to provide an equity investment in the technological coverage of the Measurements Standards Laboratory at Industrial Research Limited.	280	280	530
<b>Total Non-Departmental Capital Expenditure</b>	4,180	4,180	4,630
<b>Total Annual and Permanent Appropriations</b>	627,969	627,969	730,686

## Details of Projected Movements in Departmental Net Assets

### Ministry of Research, Science and Technology

Details of Net Asset Schedule	Estimated Actual 2007/08 \$000	Projected 2008/09 \$000	Explanation of Projected Movements in 2008/09
Opening Balance	2,411	2,411	Estimated Actual opening balance reflects the audited results as at 30 June 2007.
Capital Injections	-	-	
Capital Withdrawals	-	-	
Surplus to be Retained (Deficit Incurred)	-	-	
Other Movements	-	-	
Closing Balance	2,411	2,411	