

# *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

# Details of Appropriations

## Details of Annual and Permanent Appropriations

Titles and Scopes of Appropriations by Appropriation Type	2007/08		
	Estimates Budget \$000	Supplementary Estimates Budget \$000	Total Budget \$000
<b>Departmental Output Expenses</b>			
<b>Advice on Shaping the Science System MCOA (M56)</b>	13,946	142	14,088
<i>Contract Management</i>	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>	12,857	142	12,999
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>	13,946	142	14,088
<b>Non-Departmental Output Expenses</b>			
<b>Advanced Network (M56)</b>	247	-	247
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.			
<b>CRI Capability Fund (M56)</b>	50,612	-	50,612
Maintaining and developing the capabilities of CRIs to fulfil their purpose.			
<b>Development of International Linkages (M56)</b>	3,227	30	3,257
Promoting and supporting New Zealand RS&T internationally, in accordance with the relevant terms of reference.			
<b>Engaging New Zealanders with Science and Technology (M56)</b>	4,321	192	4,513
Activities that engage with New Zealanders over the role of RS&T in supporting innovation.			
<b>Environmental Research (M56)</b>	93,449	(1,778)	91,671
Public good science and technology that enhances the understanding and management of our environment.			
<b>Global Technology Partnership Programme (M56)</b>	564	-	564
Providing New Zealand firms with access to information about international RS&T markets and expertise.			
<b>Health Research (M56)</b>	58,955	-	58,955
Public good science and technology that improves the health status of New Zealanders.			
<b>International Investment Opportunities Fund (M56)</b>	9,600	(4,444)	5,156
Supporting the ability of research providers to participate in international research collaborations and to recruit highly experienced researchers from overseas.			
<b>Māori Knowledge and Development Research (M56)</b>	4,867	-	4,867
Public good science and technology that unlocks the innovation potential of Māori knowledge.			

	2007/08		
	Estimates Budget \$000	Supplementary Estimates Budget \$000	Total Budget \$000
<b>Titles and Scopes of Appropriations by Appropriation Type</b>			
<b>Marsden Fund (M56)</b> 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.	35,878	-	35,878
<b>National Measurement Standards (M56)</b> Provision of specified standards to satisfy the needs for traceable physical measurement in New Zealand.	5,764	-	5,764
<b>New Economy Research Fund (M56)</b> Investigator-initiated research that stimulates the emergence and growth of new knowledge-intensive enterprises.	65,803	(1,600)	64,203
<b>Pre-Seed Accelerator Fund (M56)</b> Accelerating the rate of commercialisation of research developed through publicly funded research.	8,267	(2,667)	5,600
<b>Research and Development Facilitation and Promotion Service (M56)</b> Accelerating commercialisation of research and development, and linkages between firms and research organisations.	600	-	600
<b>Research Contract Management (M56)</b> Selecting RS&T related providers, negotiating, managing and monitoring research contracts, and providing operational advice to the Minister.	21,114	500	21,614
<b>Research for Industry (M56)</b> Public good science and technology that improves the competitiveness of the industrial sector.	200,660	(7,778)	192,882
<b>Social Research (M56)</b> Public good science and technology that improves social well being.	5,860	-	5,860
<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.	18,658	(250)	18,408
<b>Technology New Zealand (M56)</b> Enhancing the technological capability of businesses to grow through the development and adoption of new technologies.	47,223	(12,222)	35,001
<b>Total Non-Departmental Output Expenses</b>	<b>635,669</b>	<b>(30,017)</b>	<b>605,652</b>
<b>Other Expenses to be Incurred by the Crown</b>			
<b>Advanced Network Capability Building (M56)</b> Development of capability within the Advanced Network user group (TEIs and CRIs) to make effective use of the Advanced Network.	1,221	-	1,221
<b>Advanced Network CRI Tariffs (M56)</b> Tariffs incurred by the usage of the advanced network (KAREN) by CRIs. These CRIs fund the Crown by way of special dividend.	741	-	741
<b>Australian Synchrotron (M56)</b> New Zealand Government's contribution to the establishment and operation of a synchrotron located in Victoria, Australia.	609	-	609
<b>Carter Observatory Grant (M56)</b> Grant to the Carter Observatory to allow for the redevelopment of the Carter Observatory.	575	-	575
<b>Convention Du Metre (M56)</b> Payment of New Zealand's annual subscription to the Convention du Metre.	95	4	99
<b>Total Other Expenses to be Incurred by the Crown</b>	<b>3,241</b>	<b>4</b>	<b>3,245</b>

Titles and Scopes of Appropriations by Appropriation Type	2007/08		
	Estimates Budget \$000	Supplementary Estimates Budget \$000	Total Budget \$000
Capital Expenditure to be Incurred by the Department			
<b>Ministry of Research, Science and Technology - Capital Expenditure PLA (M56)</b>	-	804	804
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			
<b>Total Capital Expenditure to be Incurred by the Department</b>	-	804	804
Capital Expenditure to be Incurred by the Crown			
<b>Equity Investment Fund (M56)</b>	5,000	(1,100)	3,900
Targeted equity investments into publicly funded research institutes to develop commercial prospects.			
<b>Industrial Research Limited (M56)</b>	280	-	280
Investment in the technological coverage of the Measurements Standards Laboratory at IRL.			
<b>Total Capital Expenditure to be Incurred by the Crown</b>	5,280	(1,100)	4,180
<b>Total Annual and Permanent Appropriations</b>	658,136	(30,167)	627,969

## Details of Projected Movements in Departmental Net Assets

### Ministry of Research, Science and Technology

Details of Net Asset Schedule	2007/08 Estimates Projections \$000	2007/08 Supplementary Estimates Projections \$000	Explanation of Projected Movements in 2007/08
Opening Balance	2,411	2,411	Supplementary Estimates 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	

# *Information Supporting the Supplementary Estimates*

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ADMINISTERING DEPARTMENT: Ministry of Research, Science and Technology

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

## Part 1 - Summary of the Vote

### Part 1.3 - Trends in the Vote

#### Summary of Financial Activity

	2007/08				
	Estimates \$000	Supplementary Estimates			Total \$000
		Departmental Transactions \$000	Non- Departmental Transactions \$000	Total Transactions \$000	
<b>Appropriations</b>					
Output Expenses	649,615	142	(30,017)	(29,875)	619,740
Benefits and Other Unrequited Expenses	-	N/A	-	-	-
Borrowing Expenses	-	-	-	-	-
Other Expenses	3,241	-	4	4	3,245
Capital Expenditure	5,280	804	(1,100)	(296)	4,984
Intelligence and Security Department Expenses and Capital Expenditure	-	-	N/A	-	-
<b>Total Appropriations</b>	<b>658,136</b>	<b>946</b>	<b>(31,113)</b>	<b>(30,167)</b>	<b>627,969</b>
<b>Crown Revenue and Receipts</b>					
Tax Revenue	-	N/A	N/A	-	-
Non-Tax Revenue	-	N/A	N/A	-	-
Capital Receipts	-	N/A	N/A	-	-
<b>Total Crown Revenue and Receipts</b>	<b>-</b>	<b>N/A</b>	<b>N/A</b>	<b>-</b>	<b>-</b>

## Part 2 - Details and Expected Performance for Output Expenses

### Part 2.1 - Departmental Output Expenses

#### Advice on Shaping the Science System MCOA (M56)

##### *Scope of Appropriation*

###### **Policy Advice**

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.

###### **Contract Management**

Negotiating, managing and monitoring contracts with the Crown's funding and investment agents and with other specific science and technology service providers.

##### *Explanation for Use of Multi-Class Output Expense Appropriation*

Alignment of the output activity of two existing appropriations to outcomes within one appropriation

##### *Expenses and Revenue*

	2007/08		Total \$000
	Estimates \$000	Supplementary Estimates \$000	
Total Appropriation	13,946	142	14,088
Revenue from the Crown	13,592	42	13,634
Revenue from Others	354	100	454

##### *Reasons for Change in Appropriation*

This appropriation will increase by \$142,000 to \$14.088 million for 2007/08. The reasons for the changes are:

- an increase of \$75,000 by way of transfer for Futurewatch activity now being undertaken by the Ministry of Research, Science and Technology (MoRST)
- an increase of \$80,000 relating to third-party use of audio-visual equipment in the "Future Foods" roadshow
- a decrease of \$115,000 relating to the provision for tax on overseas entitlements and allowances for staff posted overseas
- an increase of \$75,000 for activity carried forward from 2006/07 relating to science communication and to travel of the Ministerial mission to the United States
- an increase of \$7,000 relating to attendance in Japan at the joint working party for closer economic ties, and
- an increase of \$20,000 to cover increased cost of employer contributions to the State Sector Retirement Savings Scheme.

## Part 2.2 - Non-Departmental Output Expenses

### Development of International Linkages (M56)

#### *Scope of Appropriation*

Promoting and supporting New Zealand RS&T internationally, in accordance with the relevant terms of reference.

#### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	3,227	30	3,257

#### *Reasons for Change in Appropriation*

This appropriation will increase by \$30,000 to \$3.257 million for 2008/09. The reason for the change is the transfer of \$180,000 from 2006/07 relating to the Intelligent Manufacturing Systems initiative (IMS) and linkages to European Commission funded initiatives, and \$150,000 to 2008/09 relating to the implementation of the New Zealand - European Union International Research Staff Exchange Scheme.

### Engaging New Zealanders with Science and Technology (M56)

#### *Scope of Appropriation*

Activities that engage with New Zealanders over the role of RS&T in supporting innovation.

#### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	4,321	192	4,513

#### *Reasons for Change in Appropriation*

This appropriation will increase by \$192,000 to \$4.513 million for 2007/08. The reasons for the change are a funding transfer of \$250,000 from 2006/07 and the transfer to the MCOA *Advice on Shaping the Science System* as part of Futurewatch activity is now being undertaken by the Ministry.

**Environmental Research (M56)***Scope of Appropriation*

Public good science and technology that enhances the understanding and management of our environment.

*Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	93,449	(1,778)	91,671

*Reasons for Change in Appropriation*

This appropriation will decrease by \$1.778 million to \$91.671 million for 2007/08. The reason for the change is a funding restructure and transfer to 2008/09 of the undistributed funds held by the Foundation for Research, Science and Technology (FRST).

**International Investment Opportunities Fund (M56)***Scope of Appropriation*

Supporting the ability of research providers to participate in international research collaborations and to recruit highly experienced researchers from overseas.

*Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	9,600	(4,444)	5,156

*Reasons for Change in Appropriation*

This appropriation will decrease by \$4.444 million to \$5.156 million for 2007/08. The reason for the change is a funding restructure and transfer to 2008/09 of the undistributed funds held by the Foundation for Research, Science and Technology.

## New Economy Research Fund (M56)

### *Scope of Appropriation*

Investigator-initiated research that stimulates the emergence and growth of new knowledge-intensive enterprises.

### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	65,803	(1,600)	64,203

### *Reasons for Change in Appropriation*

This appropriation will decrease by \$1.600 million to \$64.203 million for 2007/08. The reason for the change is a funding restructure and transfer to 2008/09 of the undistributed funds held by the Foundation for Research, Science and Technology.

## Pre-Seed Accelerator Fund (M56)

### *Scope of Appropriation*

Accelerating the rate of commercialisation of research developed through publicly funded research.

### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	8,267	(2,667)	5,600

### *Reasons for Change in Appropriation*

This appropriation will decrease by \$2.667 million to \$5.600 million for 2007/08. The reason for the change is a funding restructure and transfer to 2008/09 of the undistributed funds held by the Foundation for Research, Science and Technology.

## Research Contract Management (M56)

### *Scope of Appropriation*

Selecting RS&T related providers, negotiating, managing and monitoring research contracts, and providing operational advice to the Minister.

### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	21,114	500	21,614

### *Reasons for Change in Appropriation*

This appropriation will increase by \$500,000 to \$21.614 million for 2007/08. The reason for the change is one-off funding for the Foundation for Research, Science and Technology to implement the Low Carbon Energy Technology Fund.

## Research for Industry (M56)

### *Scope of Appropriation*

Public good science and technology that improves the competitiveness of the industrial sector.

### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	200,660	(7,778)	192,882

### *Reasons for Change in Appropriation*

This appropriation will decrease by \$7.778 million to \$192.882 million for 2007/08. The reason for the change is a funding restructure and transfer to 2008/09 of the undistributed funds held by the Foundation for Research, Science and Technology.

## Supporting Promising Individuals (M56)

### *Scope of Appropriation*

Development of human resources in RS&T through awards and fellowships. The recipients include post-doctoral researchers, teachers, and technologists.

### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	18,658	(250)	18,408

### *Reasons for Change in Appropriation*

This appropriation will decrease by \$250,000 to \$18.408 million for 2007/08. The reason for the change is a funding restructure and transfer to 2008/09 of the undistributed funds held by the Foundation for Research, Science and Technology.

## Technology New Zealand (M56)

### *Scope of Appropriation*

Enhancing the technological capability of businesses to grow through the development and adoption of new technologies.

### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	47,223	(12,222)	35,001

### *Reasons for Change in Appropriation*

This appropriation will decrease by \$12.222 million to \$35.001 million for 2007/08. The reason for the change is a funding restructure and transfer to 2008/09 of the undistributed funds held by the Foundation for Research, Science and Technology.

## Part 5 - Details and Expected Results for Other Expenses

### Part 5.2 - Non-Departmental Other Expenses

#### Convention Du Metre (M56)

##### *Scope of Appropriation*

Payment of New Zealand's annual subscription to the Convention du Metre.
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##### *Expenses*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	95	4	99

##### *Reasons for Change in Appropriation*

This appropriation will increase by \$4,000 to \$99,000 for 2007/08. The reason for the change is an annual adjustment for the impact of foreign exchange and movement in the annual subscription.

## Part 6 - Details and Expected Results for Capital Expenditure

### Part 6.1 - Departmental Capital Expenditure

#### Ministry of Research, Science and Technology - Capital Expenditure PLA (M56)

##### *Scope of Appropriation*

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

##### *Capital Expenditure*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Forests/Agricultural	-	-	-
Land	-	-	-
Property, Plant and Equipment	-	208	208
Intangibles	-	596	596
Other	-	-	-
Total Appropriation	-	804	804

##### *Reasons for Change in Appropriation*

This appropriation was formerly disclosed in the Ministry of Research, Science and Technology's Statement of Intent as forecast departmental capital expenditure. Expenditure under intangibles relates to software.

### Part 6.2 - Non-Departmental Capital Expenditure

#### Equity Investment Fund (M56)

##### *Scope of Appropriation*

Targeted equity investments into publicly funded research institutes to develop commercial prospects.

##### *Capital Expenditure*

	2007/08		
	Estimates \$000	Supplementary Estimates \$000	Total \$000
Total Appropriation	5,000	(1,100)	3,900

##### *Reasons for Change in Appropriation*

The reason for the change is a funding transfer of \$1.100 million from 2007/08 to 2008/09.