



2024-2025 Research Support Fund

Public Acknowledgement, Objectives & Outcomes

Office of the VP (Research & International)

The University of Manitoba received **\$8,955,228** in Federal RSF support.

The following outlines the allocation of funds across each of the five expenditure categories, including affiliated institutions.

Research Facilities	Research Resources	Management & Administration	Regulatory Requirements & Accreditation	Intellectual Property
\$ 3,078,439	\$ 783,757	\$ 2,887,261	\$ 1,720,771	\$ 485,000

The University’s changing landscape of research funding, including an increased focus on innovative and multidisciplinary collaborations, requires additional support from RSF to lead and be part of collaborative teams.

Investment Story #1: Research Facilities – Price Faculty of Engineering

In 2024-2025, the RSF base grant supported new initiatives in the Price Faculty of Engineering, enhancing its research environment.

Key New Initiatives:

- **Microfabrication Equipment Upgrades:** RSF funds supported critical maintenance and upgrades in the Nano-Systems Fabrication Laboratory, including repairs and improvements to purified water capacity. These upgrades allowed researchers from across the university to access state-of-the-art microfabrication tools, supporting new research projects and collaborations.
- **Heavy Structures Lab Support:** RSF funding maintained the crane and forklift in the W.R. MacQuade Heavy Structures Lab, ensuring safe and efficient setup for large-scale experimental research.
- **Technologist Support for Labs:** RSF enabled hiring and retaining technologists in key labs (Power Systems, Mechanical Engineering machine shop, Geotechnical Laboratory), providing essential expertise for equipment operation, safety training, and prototype fabrication.

Impact:

- These investments allowed researchers and students to safely conduct innovative experiments, generate new data for publications and grant applications, and maintain competitiveness in attracting external funding.
- Without RSF support, equipment failures and lack of technical expertise would have stalled research, delayed student progress, and reduced the faculty's ability to collaborate and attract new projects.

Conclusion:

The RSF base grant was vital for launching and sustaining new facility upgrades and technical support in Engineering, directly contributing to a strong, collaborative, and innovative research environment.

Investment Story #2: Regulatory Requirements and Accreditation

In 2024-2025, the RSF base grant enabled the University of Manitoba to complete essential upgrades across animal care and research facilities, ensuring compliance with regulatory standards and accreditation requirements.

Examples of RSF-Supported Upgrades:

- Installed a rack washer in the Chown building's animal care facility, a mandatory upgrade for maintaining accreditation and animal welfare standards.
- Applied non-slip coatings, recoated animal pen panels, and painted doors at the TK Cheung Centre, directly addressing inspection recommendations and improving safety for animals and staff.
- Replaced damaged concrete, water systems, manure pump controls, and installed new dairy free stall mats and head rails at Glenlea Research Station, supporting animal welfare and compliance with CCAC and industry standards.
- Upgraded lighting, cooling systems, and water quality monitoring tools in Bio Sciences and renovated behavioral rooms in Arts, enhancing safety and regulatory compliance.

Impact:

These RSF-funded upgrades were critical for maintaining accreditation, regulatory compliance, and safe research environments. In the absence of RSF, these projects would have experienced delays, potentially resulting in regulatory non-compliance and a reduction in research capacity.

Conclusion:

The RSF base grant was vital for launching and sustaining new regulatory and accreditation initiatives, ensuring the university's ability to conduct world-class, ethically sound research.

Affiliated Institutions

The University of Manitoba and the network of affiliated institutions have a mutual interest in achieving excellence in research activities.

This integration establishes the basic principles and objectives an affiliate regarding the administration, regulation and accountability of research conducted by various groups of individuals with university appointments, and by others associated with the University, including students.

UM affiliated institutions include:

- Cancer Care Manitoba www.cancercare.mb.ca
- St. Andrew's College (MB) https://www.umanitoba.ca/colleges/st_andrews/
- St. John's College http://umanitoba.ca/colleges/st_johns/
- St. Paul's College http://umanitoba.ca/colleges/st_pauls/
- University College (UofM) <http://umanitoba.ca/colleges/uc/>
- St. Boniface General Hospital <https://www.saintboniface.ca/>
- Winnipeg Regional Health Authority <http://www.wrha.mb.ca/>
- Canadian Centre for Policy Alternatives – Manitoba Office
<https://policyalternatives.ca/offices/manitoba>

2024-2025 Performance Indicators and Outcomes

Eligible Expense Category	Performance Objectives	Performance Indicators	Output	Outcomes Reported at Year End
Research Facilities	Strengthen researcher retention and quality of research by upgrading and maintaining research facilities and equipment.	Refreshed, effective, shared research spaces to attract high-quality researchers and potential research funding.	34% of the University's RSF grant maintained modern and dependable research facilities & equipment.	Improvements to the Biosystems Engineering's Convirion Humidity Control System, modernize The Food & Human Nutritional Sciences' BSL2 Facility and upgrades to the Plant Science's Greenhouse & Growth Chambers Controlled Environments
	Ongoing technical support for laboratories, offices, and other facilities.	Annual research equipment maintenance and service contracts		- Price Faculty of Engineering maintenance & enhancements of research equipment in the Nano-Systems Fabrication Lab and the W. R. MacQuade Heavy Structures Lab - Faculty of Pharmacy SorvallX1R Pro benchtop centrifuge equipment upgrade
Research Resources	Improve and manage research data information & analysis by upgrading databases and access to electronic resources	Availability of trustworthy and respected open-access research resources to faculty and students	9% of the RSF enhanced research with up-to-date data management systems and information	- Library data usage 5.2K requests for materials not held at University of Manitoba 828K views of digital materials - Improvements to the local High Performance Computing Facility ensure reliable data center capacity is in place to support and improve the GREX research computing platform and other critical research computing and storage equipment. - Continued support to a data research platform, and Bloomberg Terminals in the Departments of Accounting and Finance and Business Administration.
Management and Administration	Provide research administrative support for processing new grants and contracts.	The number and quality of Tri-Agency grant applications submitted by faculty, the number of grants and contracts secured,	32% of the University's RSF grant supported the salaries of research staff, including facilitators, accounting,	- Grants 1,427 Applications (9% increase) 832 Awards 58.3% success rate (6% increase) - Contracts
	Monitor expenses and review processes			

Eligible Expense Category	Performance Objectives	Performance Indicators	Output	Outcomes Reported at Year End
Regulatory Requirements and Accreditation	to ensure research compliances are meeting external agency guidelines	and the rate of successful awards.	facilities personnel, and contract/legal staff.	○ 518 non-funded (3% increase) ○ 522 funded (13% increase) ○ 385 Mixed ○ 108 proposals/LOI/NIH applications (8% increase) • Industry Partners ○ 82 Potential Partners ○ 59 Participating Partners ○ 72% success rate
	Comply with regulatory requirements. • Upgrade and maintain research facilities. • Train faculty and other research personnel in health & safety, animal care, ethics review, handling radiation & biohazards, and environmental assessments • Ongoing support for staff & technician salaries	Improved compliance with regulatory requirements as measured by laboratory inspections, incident investigations, and regulator's audits. # of certificates issued to trained faculty and research personnel	19% of the RSF supported research facilities & equipment to meet regulatory requirements. Trained faculty and research personnel Fewer incident investigations	• Animal Care ○ 228 new Protocols and renewals ○ 217 Wet labs delivered (5% increase) ○ 196 people completed the animal user online training course. ○ 369 Post Approval Monitoring (PAM) visits- includes follow-ups only, no lab inspections. ○ Maintaining demands for meeting guidelines and CCAC changes • Research Ethics & Compliance ○ 921 in new Protocols (5% increase) ○ 2,474 Amendments (2% increase) ○ 816 Study Closures (26% increase) ○ 515 Safety Reports (6% increase)
	Sustain the Partnership, Knowledge Mobilization & Innovations Office and Idea Start Office Develop our capacity to respond to growth in industry-led projects, research partnerships, and commercial opportunities.	• # Patents filed • # Invention Disclosures • # Licenses • Percentage change in Startups • \$ in Royalty Revenue	5% of the University's RSF grant supported salaries to provide: • Value-added growth of new research partnerships, IP, and innovation. • Continued support to researchers in their commercial endeavors and industry linkages	• 40 Invention Disclosures (74% increase) • 15 US Patents filed. • 5 Patents issued (67% increase) • 101 Agreements signed. • \$685K in Royalty Revenue • Lab2Market 44 Discover. - Mitacs • 375 Accelerate Program submissions • 63 Globalink Research Internships • 214 Training Attendance

