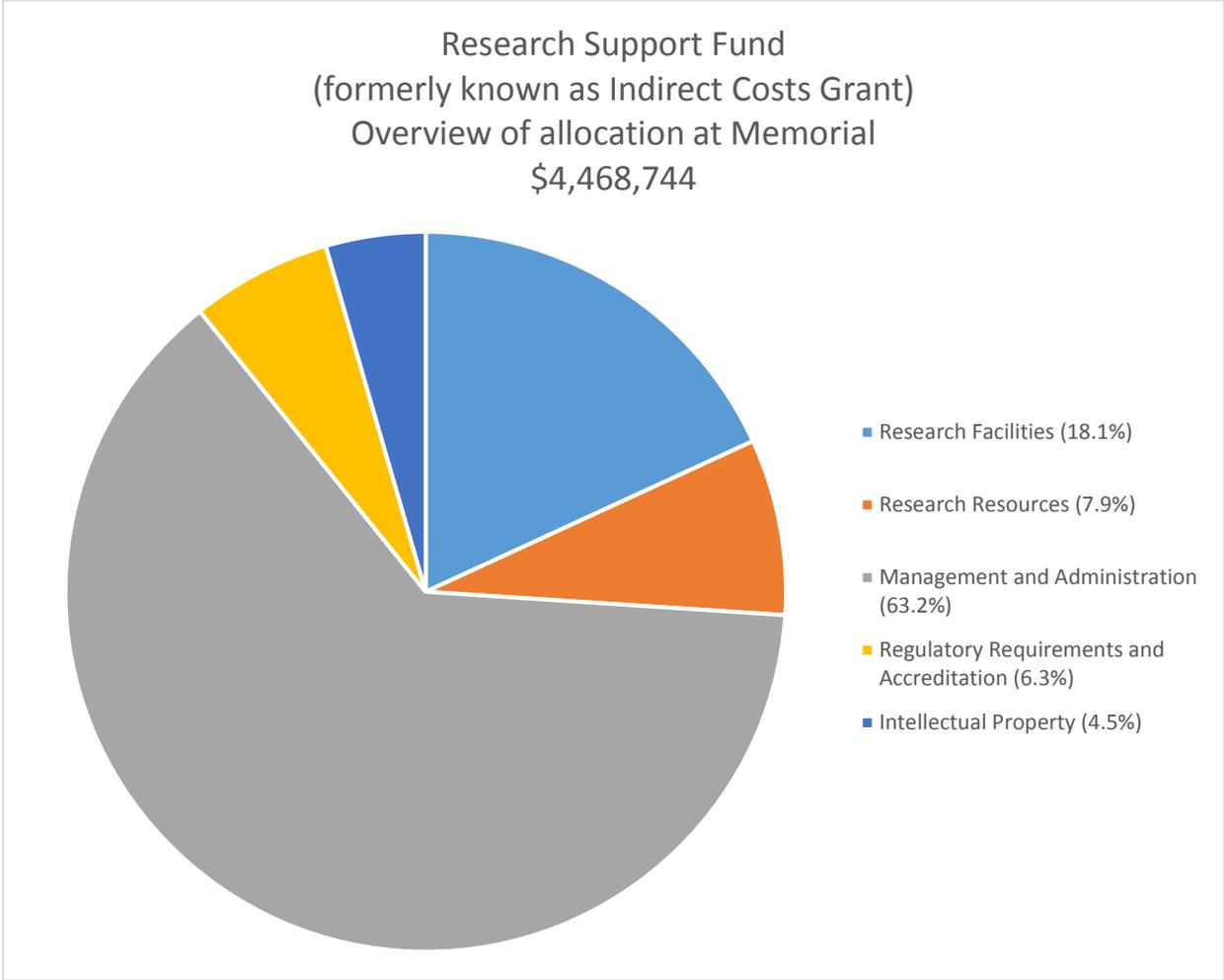


Memorial University of Newfoundland Research Support Fund Report 2017-18

The grant provided through the Government of Canada Research Support Fund (RSF) is essential to Memorial’s research success. Funding is allocated among a variety of activities that support the research enterprise. In 2017-18, Memorial received \$4,468,744. The distribution of this funding is outlined in the chart below.



Memorial University of Newfoundland – Research Support Fund – 2017-18 Performance Indicators and Target Outcomes

Eligible Program Expenditure Category	Institutional Performance Objectives	Performance Indicator	Target Outcomes	Outcomes Reported at Year-End
Research Facilities	<p>Improve networking and computing capacity.</p> <p>Research data maintained through appropriate data storage capacity.</p> <p>Competent technical staff and appropriate facilities to maximize research support.</p>	<p>Capacity and stability increase and additional client connectivity.</p> <p>Volume of data back-up.</p> <p>Functional technical support equipment.</p>	<p>Reports on network usage, uptime and availability.</p> <p>Research data maintained.</p> <p>Technical research support facilities meeting the needs of researchers and graduate students.</p>	<p>Data storage capacity in the ITS data center was increased in 2017/18 fiscal year from approx. 475 TB to 800 TB to support MUN's storage requirements including research storage.</p> <p>Additional data storage added to meet researcher and student needs.</p> <p>The Core Research Equipment and Instrument Training (CREAIT) Network is a collection of highly sophisticated laboratories tasked with maximizing the impact of Memorial's investment in research. CREAIT provides coordinated access to research equipment and training for students, research staff, faculty and external clients.</p>

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	Research infrastructure upgrades and development.	Structural condition of buildings and laboratories.	A safe working environment.	Department of Technical Services client satisfaction maintained above 90%. All fume hoods and biological safety cabinets certified and kept in service. OSC refrigeration plant fully functional. LHe & LN2 supply maintained, critical repairs performed and maintenance training completed.
Research Resources	Ensuring Memorial University’s researchers and students have the essential resources available within all branches of the Library system and access to all required content not held onsite	Collection usage data as well as document delivery metrics.	Provide efficient and effective access to all library research content required by researchers and students.	Journal package use data and document delivery request data was analyzed and used to support subscription to essential journals from the publisher Sage. Document supply from commercial sources, in addition to library sources, was initiated.
Management and Administration of Institution’s Research Enterprise	Maintain support to the implementation of the key objectives outlined within Memorial University’s Strategic Research Intensity Plan (SRIP) to provide continued improvement and gain increased efficiency in research administration.	Metrics have been developed to track the annual progression and success of SRIP.	Maintain and increase research intensity.	Tri-agency applications, active awards and funding awarded have increased; strategic partnerships has grown; and increased support and commitment to research programming as measured through the number and quality of applications and awards that impact pure and

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	<p>Optimizing pre- and post-award services offered to Memorial’s research community by Research Grant and Contracts (RGCS).</p>	<p>Research office metrics.</p>	<p>Maintain or improve service levels.</p>	<p>applied research output and outcomes.</p>
	<p>Maximizing the impact of Memorial’s multi-disciplinary array of laboratories and equipment through the Core Research Equipment and Instrument Training (CREAIT) Network.</p>	<p>Metrics for the utilization of CREAIT facilities.</p>	<p>Maintain or improve service levels.</p>	<p>Client service times are within acceptable industry norms. Implemented the Romeo Researcher portal to allow electronic submission of applications for institutional approval. Providing pre and post-award support, in accordance with agency requirements for all institutional programs.</p>
	<p>Providing academic unit resources to assist with grants facilitation, research</p>	<p>Researcher engagement with grants facilitation within the units and</p>	<p>Research funding success and researcher participation rates.</p>	<p>Multi-year consistency in contribution to scientific research as measured by stability in the number of laboratory users (approx. 625 annually) and internal and external financial recoveries (\$600K annually). This is significant in the context of increasingly challenging research and business environments.</p> <p>RSF supported annual membership registrations and conference</p>

Memorial University of Newfoundland – Research Support Fund – 2017-18 Performance Indicators and Target Outcomes

	development, grant administration and project management.	continued professional development of research administration staff.		attendance for continuing education of grants facilitation officers in various faculties.
Regulatory Requirements and Accreditation	<p>Maintain high-quality support for ethical research and teaching through Memorial University's Animal Care Services.</p> <p>Maintain infrastructure, programming and staffing necessary to meet regulatory standards and to encourage excellence and innovation in research.</p>	<p>Number of researchers and graduate students involved in animal research.</p> <p>Proper housing and care of animals. Ventilated caging for animals. Ensuring emergency power to be safeguarded against animal distress/loss.</p>	<p>Maintain or improve service levels.</p> <p>A safe, ethical research environment within Animal Care Services maintaining CCAC regulatory requirements.</p>	<p>IACC Coordinator worked to on-board new committee and community members for the committee.</p> <p>Renovated swine housing at vivarium to accommodate research requirements and objectives; construction commenced on Animal Resource Centre with completion anticipated on-schedule; purchased and implemented the use of PAPR (Powered Air Purifying Respirator) devices to limit or eliminate staff/visitor exposure to allergens, ammonia or other potential air quality issues at the Vivarium; service Contracts established for regular maintenance of anesthesia equipment to better ensure consistent and high level operation.</p>

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	Maintain ethics support to Memorial’s research community and ensure necessary training to members of Memorial’s Ethics Boards.	Ensuring researcher community has the necessary support from Ethics boards.	Maintain or improve service levels.	Service levels have been maintained, and workload is roughly the same as last year. ICEHR reviewed 234 new ethics applications in the fiscal year April 1, 2017 - March 31, 2018, as well as 133 amendment requests and 496 annual updates, which ensure continued ethics review throughout a research project.
Intellectual Property	Support Memorial University’s Technology Transfer and Commercialization Strategy. To assist Memorial University’s researchers with intellectual property protection, commercialization, industry engagement, and related activities.	Technology Transfer Office metrics. Increase in industry engagement and collaboration with external partners.	Maintain or improve service levels. Creation of collaborations and partnerships with external stakeholders	There were 15 disclosures made and 7 patents issued. There were also 73 occurrences of technology and knowledge transfer. There were meetings with 136 individual companies, 57 industry R&D contracts and 17 new spin-off or startup companies formed.