

**Research Support Fund
2018-2019 Outcomes Report
Queen's University**

Definition of the indirect costs of research

The total costs associated with conducting research comprise “direct” costs and “indirect” costs. “Direct” costs of research normally comprise all of the budgeted expenditures for carrying out a specific research project at the University. These direct costs can be directly assigned to research projects relatively easily with a high degree of accuracy and may include salaries of graduate students, post-doctoral fellows and research assistants, equipment and supplies costs, travel and publication costs, and other costs allowed by the sponsor/funder.

“Indirect” costs are dollars spent by the University, or affiliated institutions, to support research activities. These costs represent necessary provisions for the conduct of research and (i) may not be directly attributable to any one research project but rather provide general support for the University research environment as a whole (e.g., libraries and computer networks); (ii) may or may not be measurable and attributed to specific research activities, for example occupancy costs (such as heat, light, energy, and waste management), research and financial administrative support, insurance, and human resource management; and (iii) may not be eligible for funding through sponsored research.

Introduced in 2018-19, the Incremental Project Grants (IPG) funding was a new part of the Research Support Fund (RSF) program, in addition to the RSF grant, which provides further support for the indirect costs of research. Eligible universities are those receiving more than \$7M in direct tri-agency research funding.

The IPG was intended to be dedicated to projects that focus on the following priority areas

- innovation and commercialization activities
- facilities renewal, including deferred maintenance
- information resources, including digital resources, open access and databases
- equity, diversity and faculty renewal (in the context of equity, diversity and inclusion).

Description of the Research Support Fund Program and the Incremental Project Grant and how the institution allocates its RSF and IP grants under each of the expenditure areas

The Research Support Fund Program (RSF) provides approximately one-third of the indirect costs of research associated with Tri-Agency awards (i.e., NSERC, SSHRC and CIHR). Queen's distributes indirect costs broadly across the institution according to the Queen's Senate approved "Policy on the Indirect Costs of Research" as posted at: <http://www.queensu.ca/secretariat/policies.html>

Queen's University distributes the RSF Grant in two steps. The first is to allocate appropriate amounts to its Affiliates. The second step is to allocate the remainder to each of the Faculties in a manner that reflects their relative contribution to the total grant received.

For the IPG component, the university identified a number of projects in the priority areas and selected three for the allocation of various amounts of funding. In all cases, additional funds were provided from internal sources or partner programs.

Description of the impacts of the indirect costs grant at the institution

The RSF grant permits us to partially meet the compliance expectations of our various funders (e.g., human ethics, animal care, biohazards, and controlled goods), as well as our financial and audit requirements without drawing from critical operating funds, which are required to continue to offer high-quality teaching and research opportunities and services.

The RSF funding has enabled the university to support the levels of activity in each of the five expenditure categories of the RSF and the outputs measured are reported in the following table.

The IPG funding for 2018-19 enabled the university to support initiatives in three areas –

- the modernization of animal research facilities at the university by replacing air handling units serving the facility,
- patent expertise and the delivering of entrepreneurship programs, as well as the lease of facilities and space for incubation and acceleration activity as part of the university's efforts to promote regional innovation.

- as part of the university's investment in research centres, the operation, facility renewal, and talent recruitment and development at the Centre for Neuroscience Studies and the Canadian Institute for Veterans and Military Health.

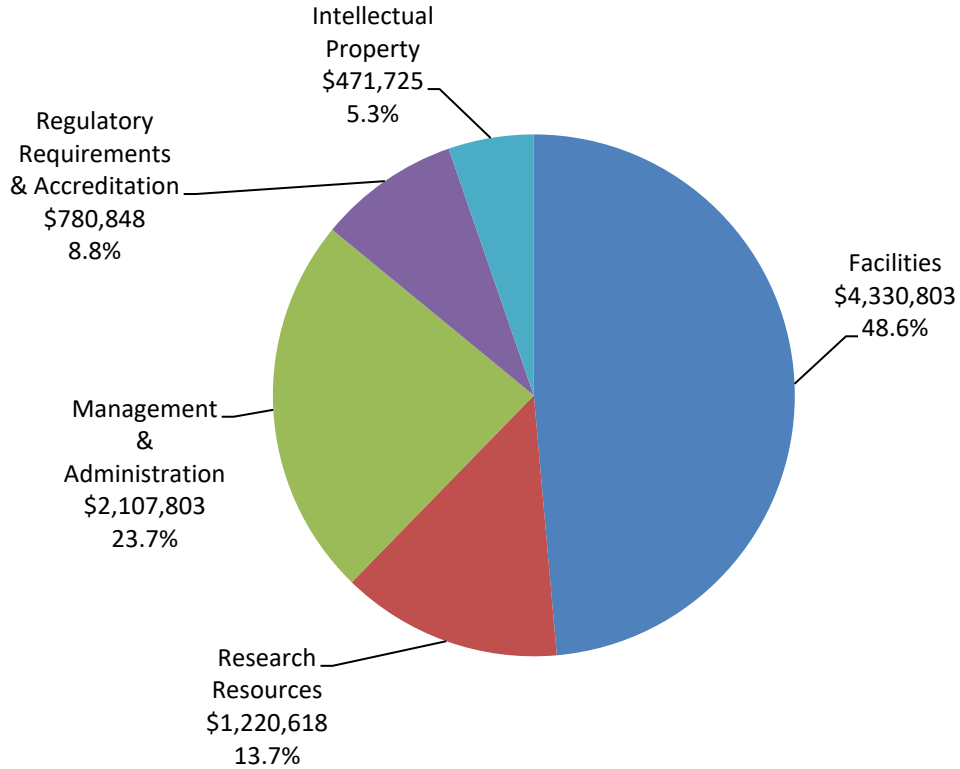
The pie chart located at the end of this document summarizes the distribution of the Queen's RSF and IPG funds into the five eligible spending categories. (Note: The Affiliate RSF funds are reported separately.)

Eligible expenditure category	Institutional performance objective	Indicator	Output	Outcomes reported at year end 2018-19
Research facilities	Support and enhance world-class laboratory-based research and increase research intensity and national position.	Laboratories refurbished and/or maintained to meet the needs of new research development	Portion of Research Support Fund grant invested refurbishing and/or maintaining laboratories	37,500 square metres of laboratory space maintained and 2,300 square metres were refurbished
Research resources	Support the student research experience and training; and support research prominence of faculty members and post-doctoral fellows	Library resources available to the research community at Queen's	Portion of Research Support Fund used to support the library research holdings and to maintain subscriptions to electronic journals and databases critical to faculty and student research	The library purchased and/or supported: 3,038,764 total titles 976,866 ebooks 141,309 ejournals Facilitating the following transactions critical to faculty and student research: 98,283 circulations of print materials 2,657,700 downloads of ejournal articles 16,136 responses to research enquiries
Management and administration of an institution's research enterprise	Provide faculty support services to enhance faculty and staff productivity, research and retention	Research administration services provided by the Vice-Principal (Research) and Vice-Principal (Finance and Administration) service units, e.g.,	Portion of Research Support Fund used to support the research administration service units within the Vice-Principal Research and Vice-Principal Finance	1023 new research grant proposals were submitted, 825 new research accounts opened, 45 full-time staff supporting research administration services (excluding human and animal ethics, IP, contract negotiation)

		University Research Services, and Research Accounting	and Administration portfolios	Compliance with Tri-Agency financial policies and guidelines
Regulatory requirements and accreditation	Provide faculty support services to enhance faculty and staff productivity, research and retention	Review and approval services provided by the Research Ethics Boards (REBs) and the University Animal Care Committee (UACC)	Portion of Research Support Fund used to support the REBs (General and Health Sciences) and the functions of the UACC	2,193 HSREB ethics protocols approved and/or renewed 1,169 GREB ethics protocols approved and/or renewed 158 animal use protocols approved and/or renewed 8 full-time staff supporting the Ethics Boards and UACC Compliance with CCAC Guidelines and Tri-Agency policies
Intellectual property	Provide support to facilitate impact of research outcomes through innovation, collaborations with industry, and knowledge translation.	Contract review services provided by Industry Partnerships, which supports researchers' ability to advance their discoveries to the public and market	Portion of Research Support Fund used to support the protection of intellectual property, which may lead to commercialization opportunities	943 contracts to support research were executed, 38 invention disclosures were processed, 5 license / option agreements finalized, 16 new patent applications were filed 13 full-time staff

*Note: These outcome values represent the total investments made by the University in the five categories. The RSF funds provide approximately 17% of the cost of these investments, while the remainder is borne by the University.

**Federal Indirect Costs Program 2018-19
Queen's University (excluding affiliates*)**



Queen's University	\$8,911,796	
Affiliated Hospitals	\$370,358	\$9,282,154
Other Affiliate*		\$1,185,867
Total RSF		\$10,468,021

Affiliated Hospitals: Kingston Health Sciences Centre (formerly Kingston General Hospital and Hotel Dieu Hospital) and Providence Care

Other Affiliate*: Canadian Microelectronics Corporation