

**Research Support Fund  
2016-2017 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.

## **Description of the Research Support Fund Program and how the institution allocates its RSF grant under each of the expenditure areas**

The Research Support Fund Program (RSF) provides partial support to universities and their affiliates for 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>

Queen's University distributes the RSF Grant in two broad 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.

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

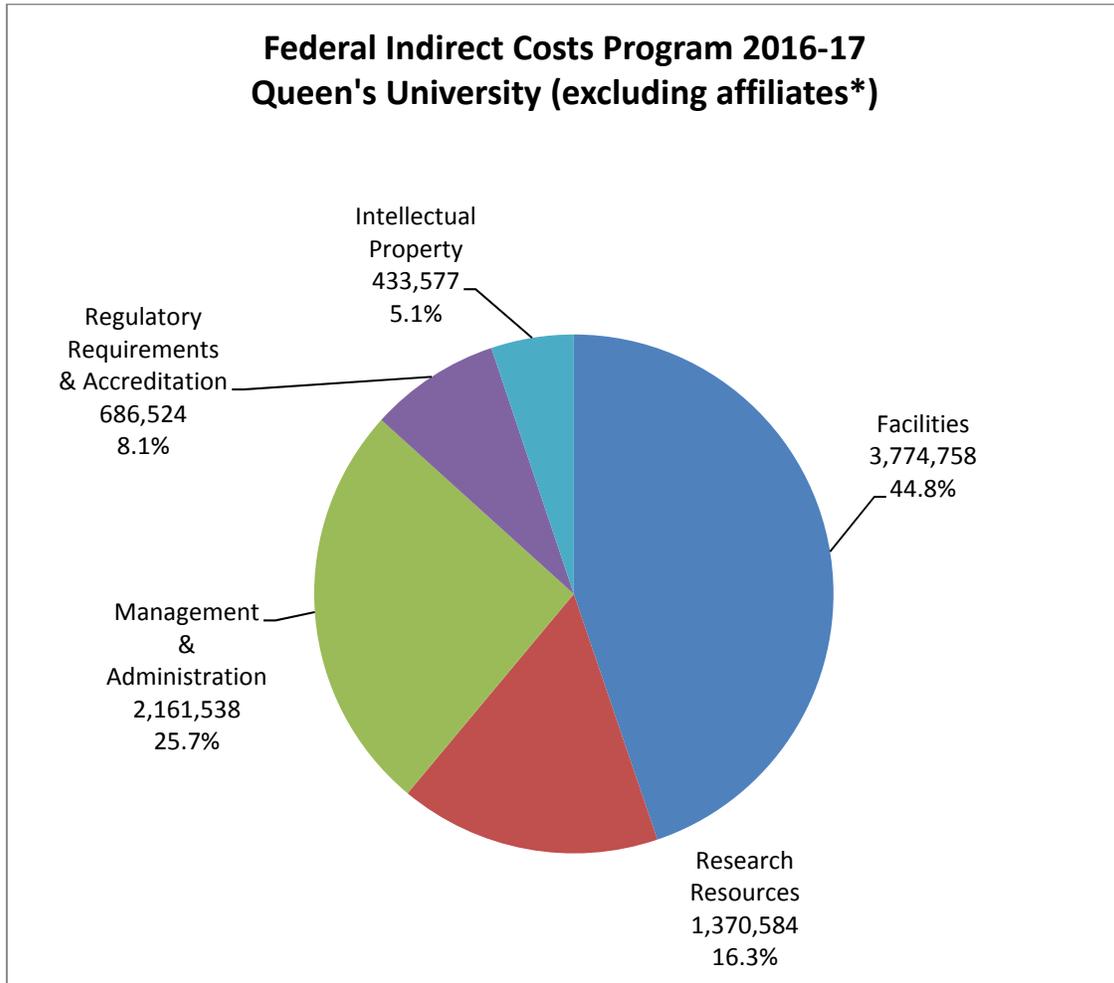
The RSF grant permits us to partially meet the compliance expectations of our various funders (e.g., human ethics, animal care, biohazards, and controlled goods), as well as our financial and audit requirements without drawing from critical operating funds, which are required to continue to offer high-quality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

The RSF funding has enabled the University to support the following levels of activity in each of the five expenditure categories of the RSF and the outputs measured are reported in the following table. The pie chart located at the end of this document summarizes the distribution of the Queen's RSF grant funds into the five categories. (Note: The Affiliate RSF funds are reported separately.)

<b>Eligible expenditure category</b>	<b>Institutional performance objective</b>	<b>Indicator</b>	<b>Output</b>	<b>Outcomes reported at year end 2016-17</b>
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 1,336 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: 2,896,178 total titles 781,527 ebooks 102,607 ejournals  Facilitating the following transactions critical to faculty and student research:  120,385 circulations of print materials 2,620,137 downloads of ejournal articles 15,319 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., University Research Services, and Research Accounting	Portion of Research Support Fund used to support the research administration service units within the Vice-Principal Research and Vice-Principal Finance and Administration portfolios	998 new research grant proposals were submitted,  794 new research accounts opened,  42 full-time staff supporting research administration services (excluding human and animal ethics, IP, contract negotiation)  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	2,160 HSREB ethics protocols approved and/or renewed  1,094 GREB ethics protocols approved and/or renewed  131 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	743 contracts to support research were executed,  46 invention disclosures were processed,  7 license / option agreements finalized, 29 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.



<b>Queen's University</b>	\$8,426,980	
<b>Affiliated Hospitals</b>	\$370,120	\$8,797,101
<b>Other Affiliates*</b>		\$1,322,886
<b>Total RSF</b>		<b>\$10,119,987</b>

Affiliated Hospitals: Kingston General Hospital, Hotel Dieu, Providence Care, Ongwanada  
Other Affiliates\*: Canadian Microelectronics Corporation