RESEARCH SUPPORT FUND & INCREMENTAL PROJECT GRANT SPENDING, OBJECTIVES, INDICATORS AND OUTCOMES

SFU RESEARCH

	OBJECTIVES	INDICATORS	TARGETED OUTCOMES	OUTCOMES STATUS
FACILITIES	Support knowledge creation and exchange	Modern, safe, sustainable and well-equipped research facilities	- Quantity and quality of research space - Quantity and quality of technical support	• Maintenance of research facilities. With RSF support, the Faculty of Communication, Art and Technology was able to maintain a newly renovated collaborative meeting space to facilitate the sharing of ideas and the forging of interdisciplinary linkages. The new space will enable a deeper level of engagement between researchers and with internal and external stakeholders. • Technical support for laboratories, offices and other facilities. A portion of the Research Support Fund continues to be used to provide technical support to researchers and the management of laboratories across the university. For instance, technicians in the Faculty of Applied Sciences assist researchers with unsupported and specialized software and hardware, ranging from system procurement and configuration to the managing of licenses and warranties and troubleshooting technical issues. Technicians in the Faculty of the Arts and Social Sciences ensure that software and hardware is kept up-to-date and provide dedicated support to improve research efficiency. Such support is vital to enable researchers to carry out their research programs, and produce research papers, in a timely and effective fashion. • Plans began to roll out to reconfigure SFU's Big Data Hub to better support researchers with technical support and service contracts.
RESEARCH RESOURCES	Facilitate research at undergraduate, graduate, and faculty levels	Ubiquitous access to research resources and tools	- Amount and utilization of shared Library facilities and resources - Improvements to electronic information resources	• Library Resources: The main goal of the SFU Library is to provide access to a rapidly expanding array of resources, which are increasingly digital. These include online journals, e-books, and other digital resources. The SFU Library is also a leader in digitization initiatives, which require specialized software and tools for describing, discovering, accessing, analyzing and repurposing data sets. The RSF continues to helps to implement and operate these collections and services, which are necessary to maintain SFU's momentum as a leading research institution with a strong national and international reputation. • RSF funding contributed to an internal review to update the Research Funding and Award Opportunities Database. Future updates will better assist SFU researchers

				with identifying a comprehensive list of research grant and faculty award opportunities.
MANAGEMENT & ADMIN	Maintain the effective operation of SFU's research enterprise	Efficient leadership and support, including accurate and timely reporting	- Quantity of funded research - Quality of research support and promotion - Effectiveness of information systems	• Financial and Audit Costs - Research Accounting: Research Accounting is responsible for the financial administration and financial reporting of research funds. Its staff provides services to the university, to the researchers and research personnel, and to the funding sponsors. Activities include: negotiating financial terms and conditions to minimize administrative costs and financial risks; providing budget control; ensuring compliance with internal policies and procedures; handling external audits; providing timely submission of billings and financial reports; following up on research account receivables and outstanding payments; and facilitating the financial administration of research projects. Research Accounting services assists researchers in the timely and proper use of funds. Without such services, the proper financial controls and stewardship would be absent, compromising the university's ability to meet the requirements of external funding agencies and the timeliness and accuracy of billings and financial reports. • Institutional Support for Completion of Grant Applications - SFU Major Projects Office The SFU Major Projects Office is responsible for facilitating the development and submission of proposals for major research funding programs at provincial, national and international levels, including those offered through the Canada Foundation for Innovation, Western Economic Diversification, and the Canada First Research Excellence Fund. Activities include: providing information on major funding opportunities, facilitating the establishment of research collaborations, and assisting with the development and submission of grant proposals including serving as a liaison between SFU researchers, senior administrators, and other University units as required. In addition, the MPO maintains institutional relationships with the granting agencies and major project offices at other Canadian universities. We credit this support with an increase in the number and quality of major proposals submitted, having a positive impact on SFU's overall research activity and its total research income. Without such support, we could expect a decline in the success of major grant applications and a corresponding decline in SFU's overall research outputs, including publications and training of highly qualified personnel.
REGULATORY REQUIREMENTS	Maintain the highest level of ethical and safe conduct for research	Compliance with regulatory, financial, and funding agency requirements	- Compliance with CCAC, Tri-Council Policy Statement - Quantity and quality of regulatory and technical support	• Creation and Support of Regulatory Bodies: SFU's Office of Research Ethics (ORE) is committed to ensuring the highest level of ethical conduct for research involving human participants. The ORE supports researchers through the ethics review process, from the preparation of a new submission to continuing review of ongoing research. The ORE educates researchers in the policies and process of research ethics and ethics review and facilitates the review process conducted by the SFU Research Ethics Board and its subcommittees. The ORE team assists the Director in administering the ethics approval process and in developing educational and research monitoring programs. A portion of the RSF covers the salaries of these

				support staff.
				• Technical Support for Animal Care: SFU's Animal Care Services ensures that the university conducts research, testing or testing that involves animals in the most humane and ethical manner possible. Through the University Animal Care Committee, it also ensures that each research project using animals meets or exceeds the standards expressed in the Canadian Council on Animal Care (CCAC) Guide to the Care and Use of Experimental Animals. • A portion of SFU's RSF is applied toward the salaries of SFU Animal Care staff, technicians and the manager. Without the RSF support, animal research at SFU would be compromised and in many cases could not be performed.
INTELLECTUAL PROPERTY & KNOWLEDGE MOBILIZATION	Mobilize research for social and economic benefit	Intellectual property and technology transfer activity	Quantity and quality of IT/tech transfer activity	• Sustenance of Technology Transfer Office The RSF covered the salaries of the key staff within SFU Innovation (IO) Office in 2016/17. These positions help SFU researchers to build effective working relationships with communities, industry, governments, NGOs and non-profits to increase the solution capability of SFU innovators. The RSF support of the SFU Innovation Office enables SFU to continue to be effective in operating within this open innovation environment
OVERALL IMPACTS	Achieve national and international leadership in research and innovation	Outcomes of SFU's strategic research and innovation initiatives	- Attraction of outstanding faculty and students - Growth of research funding - Number of research collaborations - Recognition of research and innovation excellence - Contributions to economic and social development	• In 2017, The Science and Technology for Aging Research (STAR) Institute was established at Simon Fraser University's Surrey campus. STAR will channel innovation and oversee research and skill development for B.C.'s healthy aging tech industry. • KEY, SFU's Big Data Initiative launched in early 2017. KEY provides tools, training and expertise to unlock the potential of big data. The initiative engages people in advanced computing for innovation in teaching, research and community impact. KEY also empowers students, faculty, staff, and our partners to use big data to solve real world problems, no matter their discipline, domain, or level of expertise. • In 2017, SFU's brain technology laboratories housed at Surrey Memorial Hospital, joined a digital innovation "superhighway" that will pave the way for future national and global collaborations in medical technology research. The labs are connecting to Canada's CANARIE infrastructure, that links to a network of major academic and hospital centres across Canada and the world. Joining CANARIE will expand the labs' ability to collaborate with network members on data-intensive research. Read more. • In Spring 2017, Simon Fraser University, in partnership with Compute Canada and regional partner WestGrid, launched a new, advanced research computing (ARC) system, Cedar, at SFU's Burnaby Campus. One of four new Canadian supercomputing and data centre sites, Cedar will give Canadian researchers access to the latest ARC

				resources and expertise.
				• SFU continues to develop emerging leaders and solutions for a sustainable, just and health community with SFU programs such as RADIUS, Coast Capital Savings Venture Connection, and SFU VentureLabs