

## RESEARCH SUPPORT FUND

### INSTITUTIONAL PERFORMANCE OBJECTIVES 2021-2022

In 2021-22, the University of Alberta received RSF funding of \$ 17,159,837 and allocated the funding to the following categories:

Eligible Expenditure Category	Output	Institutional Performance Objective	Indicator	Targeted Outcomes	Outcome Reported at end of the year
<b>Research Facilities</b>	Projected: 6.9% of RSF funding invested in support of Research Facilities maintenance and upgrades	Stable and reliable ventilation and HVAC for aging research labs.	Construction and installation of new rooftop units, controls, and components to replace beyond end-of-life and failing HVAC system in the F4 Poultry Research building, completed by the end of the fiscal year.	Stable and reliable ventilation and HVAC for research labs in the F4 Poultry Research building.	<b>Actual 9.5% of RSF funding invested:</b>  <b>Achieved:</b> Installation of new rooftop HVAC units on F4 and surrounding agricultural research buildings is now complete. Installation was to replace obsolete and failed units to maintain temperature levels required in both researcher and animal space.  Research greenhouse glass panels have been replaced with safety glass reducing health and safety risk to researchers working inside.  Fumehoods certified. Deficiencies fixed.  Central HVAC systems replaced in the Fine Arts building
		Provide a well-functioning and safe research greenhouse space with reliable mechanical systems and renewed building envelope.	Construction and installation completed by the end of the fiscal year.	A renewed and modernized greenhouse that is a safe and reliable research facility for agricultural research.	
		Certified and functional fumehoods for research activities.	Field inspections, certifications, and renewals of fume hoods.	Fumehood certification updated.	
		Replace ventilation systems supporting fine arts research and workshop space	Installation/Replacement of HVAC systems for fine arts research and workshop space.	Renewed HVAC systems that support fine arts research and workshop space	
<b>Research Resources</b>	Projected: 20.6% of RSF funding invested in electronic subscription-based database for research resources	Reliable, cost-effective access to current research resources for faculty and staff. These resources include access to subscription-based databases and electronic journals essential to modern university-based research communities.	Number of unique text downloads of Elsevier Direct Package [part of Canadian Research Knowledge Network (CRKN) resources] will be measured.	We estimate there will be 1 million unique downloads of Elsevier Direct Package (controlled access and Open Access) materials.	<b>Actual 22.2% of RSF funding invested:</b>  <b>Achieved:</b> 1,128,634 total item requests (controlled access and Open Access) from Elsevier Direct Package materials.
<b>Management and administration of an institution's research enterprise</b>	Projected: 34.4% of RSF funding invested in providing administrative support to UAlberta's research community and federal granting agencies	Provide necessary research administrative support for processing of new grants and awards as well as amendments for UAlberta's research community and federal granting agencies.	Number of new grants and awards set-up  Number of amendments processed	2,400 new grants and awards set up  3,000 amendments processed for 2021-22.	<b>Actual 35.3% of RSF funding invested:</b>  <b>Achieved:</b> 2,501 new grants and awards setup and 4,279 amendments processed in the year. Amendments exceeded expectations due to COVID supplements.
		Ensure UAlberta's research biological, chemical or radioactive waste is disposed via well established and defined processes. Health, Safety and Environment (HSE) provides staff and facilities to ensure that waste products are disposed of in approved processes.	Volume of hazardous waste processed	Volume of hazardous waste processed for 2021-22: - 44,000 liters of liquid waste - 44,000 kgs of solid waste.	<b>Actual 27.1% of RSF funding invested:</b>  <b>Achieved:</b> Actual volume of hazardous waste processed for 2021-22: - 68,000 liters of liquid waste - 53,000 kgs of solid waste.

Regulatory requirements and accreditation	Projected: 32.2% of RSF funding invested to maintain regulatory requirements and accreditation	Continual development of an integrated Health, Safety and Environment (HSE) Management System of processes and procedures in research settings that efficiently meet regulatory requirements.	Improved compliance with regulatory requirements as measured by laboratory inspections, incident investigations and regulator's audits.  Number of program elements approved Number of program documents produced in the year	Number of program elements approved: 5  Number of program documents produced: 45	Number of program elements approved: 8  Number of program documents produced: 66
		Ensure all the animal care and welfare standards set out by the Canadian Council on Animal Care (CCAC) are met or exceeded, and that the University of Alberta retains a current Certificate of Good Animal Practice from the CCAC. This is achieved through support of technical staff and the Health Sciences Laboratory Animal Services (HSLAS) preclinical research activities of research laboratories across the University of Alberta campus.	Provide preclinical research services to researchers (approximately 140 researchers from 7 Faculties). These services include animal husbandry and care, technical services, and training services for researchers and associated staff.  Continue to maintain CCAC accreditation and a Certificate of Good Animal Practice that is necessary for University of Alberta researchers to access Tri-Council grant funding.	1. Monitor number of researchers and active animal use protocols receiving preclinical research support services: At any time, there are approximately 140 researchers using preclinical research services and approximately 280 active Animal Use Protocols. 2. Maintenance of CCAC accreditation and University of Alberta research community access to Tri-Council Funding. 3. New faculty recruitment of researchers who receive preclinical support services through HSLAS for each quarter are tracked and recorded.	
Intellectual property	Projected: 5.8% of RSF Funding invested in patent protection and commercial activities	Accelerate translation of new discoveries into marketable products by Identifying, protecting, and facilitating development of new technologies and companies where applicable, emanating from UofA inventors.  Build connections between UofA inventors, industry and funding agencies to facilitate the development and transfer of technologies through licensing opportunities and/or spin-off company creation.	# Inventions reported in fiscal year 2021-22	# New inventions created in fiscal year 2021-22 = 100	<b>Actual 5.8% of RSF funding invested:</b>  <b>Achieved:</b> # New inventions created in fiscal year = 76 # New patents filed in fiscal year = 70 # New patents granted in fiscal year = 14 # Spin-offs created in fiscal year = 9
			# Patents filed in fiscal year 2021-22	# New patents filed in fiscal year 2021-22 = 50	
			# Patents granted in fiscal 2021-22		
			# Spin-offs created in fiscal year 2021-22	# Spin-offs created in fiscal year 2021-22 = 5	