2018/19 IPG Projects

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
York Lanes Research Space	Facilities renewal	$246,332 invested in renovation of research space	Enhancing support for research activities and collaboration	Renovated and functional space ready for occupancy	Space renovation completed as per timeline	**Achieved:** Renovation completed on time
Observatory Renewal	Facilities renewal	$92,000 invested to renovate observatory to accommodate new telescope	Facilitate space research and maximize impact of new telescope	Installation of new telescope	Dome modifications to enable installation of telescope	**Achieved:** Telescope installed as per project timeline

2019/20 IPG Project

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
Capital Improvements to the Harriet Tubman Institute for Research on Global Migrations of African Peoples	Facilities renewal	$434,460 invested in renovation of research space	Enable Centre to deliver on its commitment to overcoming injustice and inequity as a result of slavery and colonialism.	Refresh research space, update office space, and renew resource centre which serves as a classroom, meeting room, and a space for seminars by visiting scholars and the long-established weekly Tubman Talks	Complete renovations allowing for the Centre to continue to serve as the public face of the University in relation to research with and by peoples of African descent	**Achieved:** Renovation completed on time, Centre is operational and continues to deliver on its mandate

2020/21 IPG Project

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
Farquharson Life Sciences Building - Aquatic Laboratory	Facilities renewal	$520,361 invested to upgrade aquatic laboratory facilities	Ensure aquatic laboratory facilities able to provide consistent water supply with water	Procure and install recirculating systems able to ability to reproducibly and verifiably achieve zero detectable	Operational aquatic system	**Achieved:** Dechlorinator procured and installed with new tanks, pre- and post-filters, UV light integration and

Facilities Water Supply System			quality parameters suitable for aquatic life and that adhere to governing guidelines.	chlorine and/or chloramine levels while allowing for continuous automated monitoring of key parameters.		operational monitoring system.

2021/22 IPG Projects

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
Livestream Capacity in Performance Facilities	Facilities renewal	$125,000 IPG funds invested in renovation and expansion of performance facilities	Build capacity for livestream performance events	New capacities for livestreaming and digital-live event production	Increased research intensity in innovative and community-engaged digital performance practices	**Achieved:** The newly acquired and installed infrastructure has created new capacities for complex livestreaming, digital-live event production, and archival recording in our theatres and classrooms. The equipment has been used for multiple shows since installation.
Water Quality Lab Upgrades	Facilities renewal	$75,000 invested to upgrade Water Quality Lab including upgraded ventilation and water purification systems, fridge and freezers	Expand analytical capabilities of the lab	Number of analyzed samples, number of projects using the lab, HQP trained, use of instrumentation	Increase number of researchers using lab, enhance HQP training, reduce unscheduled downtime	**Achieved:** Nearly completed upgrade to ventilation and water purification system, with anticipated finish in October 2022. Upgrades will support cross-faculty research and training initiatives.
Human Participant Research Lab	Facilities renewal	$100,000 invested to renovate multi-use human participant research lab	Create a professional human participant research lab to facilitate psychology and	Intensification of research activities, including frequency of use and related research outputs	Increase in publications, grant applications, training opportunities for HQP	**Achieved:** Increased HQP training involving human participant research. Increased grant

			social science research			applications and funding
Tools & Resources for Innovative Research Dissemination	Information Resources	$75,000 invested to expand capacity for digital dissemination of research across the social sciences and humanities	Advance opportunities to leverage digital humanities resources in knowledge mobilization via a new portal	Support projects through new portal, new materials and new tools to further knowledge mobilization activities	Enhanced partnerships with external organizations	**Achieved:** Dedicated Digital Application Support Specialist to clarify and enhance Research initiatives for digital website outcomes in communications, process and deliverables. Delivered workshop entitled "Research to Impact: Web-based tools for Research Collaboration and Mobilization" to promote web support options. Faculty developed a clear and precise method/strategy to support research web projects from a joint information technology and administrative perspective, which incorporates sustainability, branding, device responsiveness, AODA/copyright compliance and life cycle support.
Rapid Accessible Covid-19 Diagnostic Facility	Facilities renewal	$40,000 invested to renew space for COVID-19 diagnostic facility	Renovated space to house instrumentation for diagnostic facility	Ability to undertake research around novel COVID-19 diagnostics	Produce disruptive, patentable technology around COVID-19 diagnostics	**Achieved:** Facility is operational, resulting in new patent applications, publications and collaborations

Biohazard/ Quarantine Space	Facilities renewal	$267,478 invested to create required biohazard/ quarantine space	Create biohazard/ quarantine space	Renovated space ready	Space completed by end of March 2022	**Achieved:** Nearly complete biohazard/quarantine capabilities to conduct experiments and keep pace with requirements on animal quarantine protocols. Anticipated finish January 2023.

2022/23 IPG Project

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
Renewing facilities for knowledge mobilization and social innovation	Innovation & Commercialization Activities Facilities renewal Equity, diversity and faculty renewal	$721,511 IPG funds invested in renewal of facilities in support of knowledge mobilization and social innovation	Create additional renovated space to accommodate new KMb capacity in two EDI related research centres	On time and on budget completion, enhanced KMb opportunities, more faculty member involvement in KMb activities	Renewed space for enhanced capacity of KMb for Black and Indigenous researchers and students	Project was completed on time and on budget to the satisfaction of knowledge mobilization staff, York researchers and their research partners.

2023/24 IPG Project

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
AMPD MakerSpace Upgrade & Maintenance	Facilities renewal	$22,000 invested in equipment upgrades	Enhance/ broaden potential for collaborative research and research-creation at the material-digital intersections in arts and design.	Increased research intensity, increased cross-disciplinary research-creation grant applications, increased HQP expertise with makerspace tools.	New capacity for research-creation and technologically-enhanced arts production, increased connections with industry and community research partners, enhanced access and digital proficiency for	Equipment upgrades have resulted in enhanced capacity for research-creation and technologically-enhanced arts production, for use by Faculty

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
					industry and community partners.	students, staff and partners.
Electric, Water and Accessibility Upgrades to Maloca Garden Living Lab	Facilities renewal	$38,000 invested in infrastructure upgrades	Upgrade Garden infrastructure to ensure continued use as a research and experiential education site.	Percentage completed projects on time, on budget. Enhanced community engagement in research.	Improved lighting and water access in support of hydroponic tests and pilot research activities, improved accessibility for users with mobility challenges. Enhanced research/ educational opportunities.	Infrastructure upgrades were completed to ensure increased use of research and experiential education sites associated with the Maloca Community and Native Plant Gardens of EUC. ☑ Increased water hydrants, piping and irrigation to Maloca Gardens ☑ Improved electrical operations for hydroponic research and education site ☑ Improved accessibility to native plant gardens for researchers and students with mobility challenges
Emergency Power Back-Up Lab Infrastructure	Facilities renewal	$120,000 invested in emergency power back-up infrastructure	Ensure emergency power back-up for cold storage in biology research and teaching labs to mitigate against unforeseen power outages	Installation of emergency power back-up system.	Mitigate risk of losing irreplaceable biological samples held in cold storage.	Generator successfully installed, which will guarantee a minimum of 10-hour emergency power to all electricity - dependent equipment located in the lab.

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
MRI Facility Upkeep	Facilities renewal	$160,000 invested to maintain MRI Facility	Continued operation of the MRI facility	Number of MRI facility users, grant applications and funded grants using MRI facility.	Ongoing operation of the MRI facility to support numerous research initiatives, including CFREF Connected Minds and the Neuroscience Organized Research Unit	IPG funding is essential to the ongoing research initiatives of: -2 CFREF programs (VISTA and Connected Minds) -York's Catalyzing Interdisciplinary Research Clusters grant for "Translating Signals Across Scales, Species, Sex, and Lifespan" from 2023-2025 -Organized Research Unit "Centre for Integrative and Applied Neuroscience" (CIAN) -NSERC RTI for MRI Facility: "Enhanced Neuroimaging Infrastructure for Innovative Visual Neuroscience" Also, multiple individual facility users also have ongoing, new, and/or pending research grants that rely on the MRI facility
High Performance Computing Upgrade	Facilities renewal	$95,153 invested in high performance computing	Upgraded central resources for research projects requiring high power computing.	Measurable increase of researchers accessing HPC resources; ability to run larger simulations with complex datasets.	More robust and accessible HPC infrastructure that scales and promotes research.	The project has successfully implemented upgrades to existing hardware and significantly enhanced the university's HPC supports. It is a new resource

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
						accessible to 1,600 university faculty, in addition to York graduate and undergraduate students working on projects with HPC needs, adding an additional 120 TB of dedicated and secure research storage for the University. In the Faculty of LA&PS, the new storage infrastructure leverages the existing infrastructure that is already utilized for research. The new research storage infrastructure enables researchers to run simulations with secure datasets, and the new Storage Finder website facilitates more diverse research projects across social sciences, humanities, natural and engineering sciences via an online resource that lets users filter and tailor storage options to their specific research needs. The Storage Finder tool will help emerging researchers and

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
						students during their graduate training, both for their own research and when supporting supervisors' research projects in lab environments.
Biosafety Needs for Bio-Engineering	Facilities renewal	$27,200 invested to upgrade bio-safety equipment	Improvements in biosafety to support numerous bio-engineering/bio medical research projects.	Increased research intensity in innovative bioengineering and biomedical research; increased HQP expertise in biomedical and bioengineering.	Enhanced research activity and collaboration around key research addressing bio-engineering and biomedical research.	Maintenance performed to ensure continued research in medical devices and environmental engineering, with researchers able to engage in industry partnerships, interdisciplinary and international research projects.
Electron Microscope Upgrades	Facilities renewal	$48,000 invested to upgrade two electron microscopes	Upgrade components on two electron microscopes to support space research at the Center for Research in Earth and Space Sciences.	Increased research intensity in innovative space science.	Continued operation of state of the art CFI-funded infrastructure in support of Space research.	Service and maintenance of equipment has led to an influx of new users, new interdisciplinary collaborations and efforts to attract external, revenue generating users.
NMR Upgrade	Facilities renewal	$80,000 invested to upgrade console for 700 MHz NMR spectrometer	Continued operation of NMR spectrometer.	Attraction of outstanding faculty, postdoctoral fellows, and students, increase in publications and research funding.	Fully functional NMR spectrometer	Upgraded console to enable the research programs of several faculty members in Science along with their HQP and their industrial partners. They will have uninterrupted

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
						access to the NMR for data collection and training purposes which will lead to increased productivity, publication of manuscripts and eventually lead to more research funding.
Confocal Microscope	Facilities renewal	$160,000 invested to upgrade laser scanning confocal microscope	Fully functional confocal microscope.	Attraction of outstanding faculty, postdoctoral fellows, and students, increase in publications and research funding.	Continued operation of confocal microscope	Protracted discussions amongst users and vendor led to delay in purchase order. Expected delivery and installation by mid-December 2024.

2024/25 IPG Project

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
Maximizing the economic and societal impacts of research	Innovation and Commercialization Activities	$779,345 + $200,741 supplemental IPG	Enable York to continue to connect research in all disciplines to societal partners in all sectors.	Number of invention disclosures: 39 Number of patents filed: 11 Number of new license and option agreements: 1 Dollar value of royalty stream: $2,398	Translating research to societal benefit through commercial (commercialization, industry engagement, entrepreneurship) and non-commercial (knowledge mobilization) pathways to impact.	The IPG grant allowed us to continue to deliver technology transfer services. One example of a new invention disclosure is a wearable device that can collect sweat and detect multiple biomarkers simultaneously in

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported outcome
				Number of knowledge mobilization opportunities: 28 Number of faculty involved in knowledge mobilization: 186 Dollar value of knowledge mobilization supported research grants: 69; $49,525,000 Number start up companies supported: 338 Number of entrepreneurs supported: 491		10-15 minutes using a colorimetric assay. The IPG allowed York to continue to deliver knowledge mobilization training without interruption. We led the delivery of MobilizeU to 321 registrants from Research Impact Canada (RIC) members. York continued leadership of the RIC network and welcomed 4 new members in 2024-2025 bring the total membership to 41. York also secured $3M from FedDev to deliver entrepreneurship services to AI start ups.