

Indirect Costs Outcomes Report

File Number P0078

Main Contact Information

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Statement of Account

Total Indirect Costs Funds available in 2013-2014	A	\$909,329
Expenditures incurred in 2013-2014		
Facilities		\$181,865
Resources		\$273,393
Management and Administration		\$273,393
Regulatory Requirements and Accreditation		\$125,000
Intellectual Property		\$55,678
Total Indirect Costs expenditures incurred in 2013-2014	B	\$909,329
Outstanding Commitments <small>(The expenditure was incurred but the invoice was not paid in the period ending March 31, but was paid before June 30. Be sure to include the commitments in the appropriate area(s) above.)</small>		\$0

Health Research Affiliates

For organizations with health research affiliates only: for each area of priority, indicate the actual amount of your 2013-2014 grant that was spent by your health research affiliates.

Facilities	\$0
Resources	\$0
Management and Administration	\$0
Regulatory Requirements and Accreditation	\$0
Intellectual Property	\$0

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Section I - Facilities

Expenditures

Was your grant invested, completely or partially, in any of the following ways?

Note that A and B are not exclusive (i.e. for any given category, if you have covered both existing and new Expenditures, you would check both A or B).

Expenditure category	A) The grant covered existing expenditures	B) The grant covered new expenditures (not previously covered by grant)	C) The grant did not cover this category	In which category was the largest proportion of your 2013-2014 grant invested?
1. Renovation and maintenance of research facilities (excluding expenditures incurred to meet regulatory requirements - see Section IV)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Upgrade, operations and maintenance of equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Operating costs (custodial, security, maintenance, utilities, leasing, capital planning, insurance on research space)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Technical support for laboratories, offices and other facilities (excluding technical support for animal care - see section IV)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Section I - Facilities (continued)

Impact Statement

Please explain how the expenditures made in this priority area have allowed your institution (and its health research affiliates, where applicable) to maintain and/or enhance the capacity of its research enterprise. The following questions can help guide your answer:

- what difference have your grant investments made?
- are there significant changes from the previous year?
- why are these investments vital for researchers?
- why are these expenditures vital to the university research administration?
- what would have happened if expenditures hadn't been possible?
- what are the major cost drivers in this category?
- what percentage of your O&M expenditure supports CFI-funded equipment?

A portion of the ICP grant was allocated to the Physical Plant office for research laboratory and facility maintenance. Personnel were dedicated specifically to maintain the research facilities housed in the Richardson College for the Environment and Science Building (RCFE).

A model of green building technology, constructed to a LEED (Leadership in Energy and Environmental Design) Silver Standard, the 150,000 square foot RCFE is one of the most energy efficient educational laboratory buildings in North America. It uses approximately half the energy of a conventional building. The RCFE consists of more than 30 research and teaching labs, including a vivarium, and a 1,127 square foot rooftop greenhouse. The RCFE has been instrumental in attracting prestigious researchers to the University of Winnipeg.

ICP funds were used partially for maintenance such as painting, plumbing and electrical, and also for renovations and fine-tuning environmental systems. The University would not be able to meet the expenses involved in maintaining such a facility without the support of the ICP. In addition, a portion of the funds was used to offset the operating costs of research facilities throughout the university. Expenses such as utilities, custodial costs, and insurance were covered by the grant.

Our Health and Safety Specialist and Lab Safety Officer looked after the necessary requirements for facilities in order for our investigators to conduct research in compliance with all health and safety regulations. This has been extremely beneficial in maintaining state-of-the-art facilities, enabling researchers to conduct research under safe conditions and minimizing risks.

The University of Winnipeg Technology Solutions Centre (TSC) has a position dedicated to the maintenance of research scientific equipment supported by the ICP. TSC is responsible for information technology-related matters. This technical support has been essential to keeping the research infrastructure operating efficiently. TSC is traditionally a very busy office on campus, and this research-specific position enables a fast response from in-house service to get research which might be delayed from technical difficulties back up and running so that research results are not affected. We continued to use ICP funds to work with TSC on an improved grant-tracking and reporting system, which had been successfully implemented in 2012-13 (Phase 1). Phase 2 of the software implementation was continued during this period, requiring the contracted services of a software consultant. The resulting efficiency and reliability of this system allows the University to direct more of its resources towards expanding our research program. It also contributes to the University's commitment to sustainability in research by reducing or eliminating paper-based applications and records. ICP funds contribute to the maintenance and upkeep of the University website, which provides up-to-date information for researchers on funding opportunities, research administration, available resources, and the highlights and initiatives of our research community.

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Section II - Research Resources

Expenditures

Was your grant invested, completely or partially, in any of the following ways?

Note that A and B are not exclusive (i.e. for any given category, if you have covered both existing and new expenditures, you would check both A or B).

Expenditure category	A) The grant covered existing expenditures	B) The grant covered new expenditures (not previously covered by grant)	C) The grant did not cover this category	In which category was the largest proportion of your 2013-2014 grant invested?
1. Acquisition of library holdings (journals, books, collections, periodicals, Canada National Site Licensing project, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Improvements to electronic information resources (access to databases, telecommunications systems, information technology systems, and research tools) (excluding technology to track grants and to provide financial services - see Section III)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Library operating costs and administration (custodial, security, maintenance, utilities, leasing, capital planning, staff salaries)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Insurance on research equipment and vehicles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Section II - Research Resources (continued)

Impact Statement

Please explain how the expenditures made in this priority area have allowed your institution (and its health research affiliates, where applicable) to maintain and/or enhance the capacity of its research enterprise. The following questions can help guide your answer:

- what difference have your grant investments made?
- are there significant changes from the previous year?
- why are these investments vital for researchers?
- why are these expenditures vital to the university research administration?
- what would have happened if expenditures hadn't been possible?
- what are the major cost drivers in this category?
- what proportion of the acquisitions and operating budget of the library is covered by the Indirect Costs Program?
- do you participate in inter-institutional consortia or partnerships to assist in cost reduction in this expenditure category?

The Library used funds for a number of expenses, such as database licences, monographs, serials, and media, which are vital for the research community. Databases give University researchers access to journals and publications necessary for their research, and continuous additions to the Library's resources are proportionately a major indirect cost of research. Having these databases and resources readily available for researchers has enabled them to acquire relevant and up-to-date information in an easily accessible format, efficiently moving their research forward. This measure continues to be a significant contributing factor in the retention of faculty and attracting students. The Indirect Costs funding has also enabled us to increase subscriptions accordingly. The Library Acquisitions staff spent a portion of their time dedicated to acquiring material related to research endeavours. In particular, for higher-level research, three staff members are dedicated to acquiring resources through inter-lending with other institutions with more advanced graduate research programs, and a portion of their salary as well as the operating costs are covered by the ICP grant.

Each year the Library tries to find ways to maintain the yearly budget decreases for Acquisitions taking into consideration the increases to purchases. The Indirect Costs funding assists the Library in this process. The funding also makes currency fluctuations and annual increases to database costs easier to manage. The databases increase each year on average anywhere from 2%-5% plus tax. Some of the databases are subscribed to under multi-year license agreements allowing the Library to receive discounts.

Necessary insurance was taken out on research equipment such as vehicles (trucks, boats, trailers) and specialized research equipment. The off-site storage of this seasonal equipment was also an expense covered by the grant, one that continues to grow as our field researchers are increasingly successful in acquiring federal funding for their research programs.

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Section III - Management and Administration

Expenditures

Was your grant invested, completely or partially, in any of the following ways?

Note that A and B are not exclusive (i.e. for any given category, if you have covered both existing and new expenditures, you would check both A and B).

Expenditure category	A) The grant covered existing expenditures	B) The grant covered new expenditures (not previously covered by grant)	C) The grant did not cover this category	In which category was the largest proportion of your 2013-2014 grant invested?
1. Institutional support for the completion of grant applications / research proposals.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Acquisition, maintenance and/or upgrade of information systems to track grant applications, certifications, and awards.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Eligible training of faculty and research personnel (excluding training to meet regulatory requirements - see Section IV)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Human resources and payroll	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Financial and audit costs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Research planning and promotion, public relations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Section III - Management and Administration (continued)

Impact Statement

Please explain how the expenditures made in this priority area have allowed your institution (and its health research affiliates, where applicable) to maintain and/or enhance the capacity of its research enterprise. The following questions can help guide your answer:

- what difference have your grant investments made?
- are there significant changes from the previous year?
- why are these investments vital for researchers?
- why are these expenditures vital to the university research administration?
- what would have happened if expenditures hadn't been possible?
- what are the major cost drivers in this category?
- do you participate in inter-institutional consortia or partnerships that assist in cost reduction in this expenditure category?

Funds from the ICP facilitated the costs related to software licensing and supplementary in-house development and maintenance of the WebGrants grant-tracking and ethics application software. Considerable human resources involving TSC, faculty, research office staff and senior administrative personnel continued to be devoted to the successful implementation of this software. This enhancement of our grant and ethics application business processes results in more efficient service to our researchers, improved tracking and budgeting capability both for researchers and support personnel, and a significant move toward more sustainable operation of the research enterprise. Four full-time employees were devoted to the management and administration of research activities at The University of Winnipeg.

The ICP covered a portion of the day-to-day operations of the Research Office. Funds supported various workshops and seminars to faculty, students, and staff in areas such as funding opportunities, grantsmanship, ethics, showcasing researchers, and lectures.

The funds are also directly supporting the costs of a part-time University Veterinarian and contracted support of a Commercialization and Intellectual Property expert.

The ICP Grant funds pay for memberships to support bodies such as the Canadian Association of University Research Administrators (CAURA) and The Canadian Federation for the Humanities. These organizations helped the Research Office disseminate important external funding information and opportunities and provide employees with valuable administrative information.

Ongoing memberships have also enabled the Research Office to stay abreast of policy updates and developments in local, national, and international research.

ICP funding supported the costs associated with highlighting the research community at The University of Winnipeg. Regular postings on the University webpage feature successful and innovative faculty and student research. The Senior Grants Accountant's salary is derived from a portion of the Financial Services share of ICP funds, along with salaries of staff in Accounts Payable and Purchasing. The Human Resource functions include payroll, salary, and benefits administration, as well as Audit and Health and Safety services. These administrative positions contributed a portion of their time to research support and are funded in part by the Indirect Cost Program grant. The ICP grant also covered external audit fees when they related to research. All of these positions provide vital administrative and advisory support to our researchers.

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Section IV - Regulatory Requirements and Accreditation

Expenditures

Was your grant invested, completely or partially, in any of the following ways?

Note that A and B are not exclusive (i.e. for any given category, if you have covered both existing and new expenditures, you would check both A and B).

Expenditure category	A) The grant covered existing expenditures	B) The grant covered new expenditures (not previously covered by grant)	C) The grant did not cover this category	In which category was the largest proportion of your 2013-2014 grant invested?
1. Creation and support of regulatory bodies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Training of faculty and other research personnel in health and safety, animal care, ethics review, handling radiation and biohazards, and environmental assessments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. International accreditation costs related to research capacity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Upgrades to, and maintenance of facilities and equipment to meet requirements	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Technical support for animal care, handling of dangerous substances and biohazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Section IV - Regulatory Requirements and Accreditation (continued)

Impact Statement

Please explain how the expenditures made in this priority area have allowed your institution (and its health research affiliates, where applicable) to maintain and/or enhance the capacity of its research enterprise. The following questions can help guide your answer:

- what difference have your grant investments made?
- are there significant changes from the previous year?
- why are these investments vital for researchers?
- why are these expenditures vital to the university research administration?
- what would have happened if expenditures hadn't been possible?
- what are the major cost drivers in this category?
- to what extent is compliance with Canadian and international regulations required to access research funds from international sources?

Animal user training is needed for any individual dealing with animals used in research, such as faculty, animal care technicians, and research assistants. Such training is mandatory, as set forth by the Canadian Council on Animal Care (CCAC), and consists of, for example, animal use certification programs, wet lab programs, and fish use programs. The Indirect Costs Program enabled the Research Office to cover this valuable and necessary training including, in particular, two animal care technicians' ongoing membership in the Canadian Association for Laboratory Animal Science and additional training for all three technicians, as was recommended by the CCAC. This support for maintaining the competency of our animal users removed the expense from departments and individual researchers, and allowed the redirection of funds to other needs.

The ICP grant covered the salaries and benefits of the two full-time animal care technicians who are now staffing the Vivarium of the Richardson College for the Environment and Science Building, as well as those of a part-time assistant animal care technician. A chief technician for the Vivarium performs administrative and regulatory functions for the animal use program and a portion of that individual's salary and benefits is covered. The University employs an experienced University Veterinarian part-time to provide care, oversight and compliance with CCAC regulations to the animals on a regular, as well as on an as-needed, basis. In accordance with the recommendations resulting from the 2013 site visit conducted by the Canadian Council on Animal Care (CCAC), the University Animal Care Committee (UACC) undertook the planning and implementation of an additional in-house training program on animal use and care in research and teaching. In addition, the UACC created a program of Post Approval Monitoring to provide direct oversight of animal use and care in research. Both of these initiatives required extensive input and involvement from the University Veterinarian. With its ICP allocated funding, the Research Office also supported costs related to the Veterinarian's travel to and from the facilities for these purposes, and to other centres for professional development.

A portion of the ICP funds were used to provide stipends and to cover eligible expenses for the Community Representatives who are members of our two ethics committees. The role of Community Representative is vital to the function of both animal and human ethics review boards and is mandated by both the Tri-Council and the CCAC. With the release of the second edition of the Tri-Council Policy Statement on Ethical Conduct for Research Involving Humans (2nd edition) in 2010, careful review and revision of our human ethics guidelines and policies continued, in order to ensure compliance and best practices in our research involving human participants. The University Human Research Ethics Board provided several workshops for researchers to provide guidance on various aspects of ethical compliance in research involving humans or their data. In addition, the University adopted a policy requiring specific training and certification for anyone involved in such research.

Health and Safety training was covered for the handling and disposal of radiation and other hazardous materials, including biohazards.

Implementing these programs of regulatory compliance requires considerable administrative support for the ethics committees, partially funded by the Research Office's allocation of the indirect costs grant.

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Section V - Intellectual Property

Expenditures

Was your grant invested, completely or partially, in any of the following ways?

Note that A and B are not exclusive (i.e. for any given category, if you have covered both existing and new expenditures, you would check both A and B).

Expenditure category	A) The grant covered existing expenditures	B) The grant covered new expenditures (not previously covered by grant)	C) The grant did not cover this category	In which category was the largest proportion of your 2013-2014 grant invested?
1. Creation, expansion, or sustenance of a technology transfer office or similar function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Administration of invention patent applications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Support for technology licensing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Administration of agreements and partnerships with industry	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Administration of agreements and partnerships with the public sector (federal, provincial, municipal governments; including health, education, and social services)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Section V - Intellectual Property (continued)

Impact Statement

Please explain how the expenditures made in this priority area have allowed your institution (and its health research affiliates, where applicable) to maintain and/or enhance the capacity of its research enterprise. The following questions can help guide your answer:

- what difference have your grant investments made?
- are there significant changes from the previous year?
- why are these investments vital for researchers?
- why are these expenditures vital to the university research administration?
- what would have happened if expenditures hadn't been possible?
- what are the major cost drivers in this category?

The University has maintained a contractual relationship with a person dedicated to technology transfer and protecting the University's and faculty intellectual property rights in the negotiation of research agreements. In order to support this contractual relationship, the Research Office used a portion of the ICP funds. The University is exploring ways to expand its potential for commercialization of research, and this strategic initiative is reflected in the creation of the University of Winnipeg Community Renewal Corporation, whose mandate will include commercialization of research in coordination with the Research Office.

Funds also covered legal, maintenance and renewal fees with regard to patents, as well as the costs of correspondence with lawyers and patent officials.

Research office staff continue to revise the internal policies and procedures governing the negotiation and administration of external research agreements, with valuable input from the intellectual property consultant, the University's Legal Counsel, and the Vice-President, Human Resources.

All of these functions support the research activities of existing faculty and the outcomes will certainly contribute to encouraging the recruitment and subsequent retention of new faculty. As research funding becomes more competitive, relationships with industry partners will play an increasingly important role in supporting the research activities of our faculty.

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Section VI - Overall Impacts

We strongly recommend that the Vice-President of research (or equivalent) answer the following questions pertaining to the overall impacts of the Indirect Costs grant.

1. Attraction and retention of researchers

Has the Indirect Costs grant contributed to the attraction and retention of high-quality researchers at your institution?

Yes No

If "yes", please provide an explanation.

The Indirect Costs Program has been instrumental and absolutely essential in supporting the recruitment, development, and retention of high-quality researchers. By supporting their research productivity and maximizing the success of existing faculty members, the University has attracted such highly-qualified researchers as Dr. Ian Mauro, an internationally recognized filmmaker and community-based researcher whose projects focus on food security, sustainable agriculture and climate change.

Supporting researchers of this caliber strengthens The University of Winnipeg's position as a centre for scientific research and innovation.

The University is proud to retain such respected researchers as Dr. Jaime Cidro, a Network Environments for Aboriginal Health Research (NEAHR) (CIHR) New Investigator in Aboriginal Health and Assistant Professor in the Department of Anthropology. Her community-based research in the areas of Aboriginal maternal and child health (including midwifery and dental health) adds to a growing literature investigating Aboriginal people in the modern era and will benefit all Canadians.

Through the provision of staff and contracted services personnel, we have been successful in marshaling additional supports for such prestigious researchers.

2. Attraction of additional funding

Has the Indirect Costs grant contributed directly to your institution's ability to attract additional funding to support the research environment?

Yes No

If "yes", please provide an explanation.

The ICP grant is the catalyst for the development of research grants, both in science and in the humanities and social sciences. The IC grant funds supported the Associate Vice-President, Research and Innovation in strategic research planning, particularly related to attracting additional research funding. The funds allow a smaller university such as ours to provide well-trained administrative personnel to assist faculty with the development and implementation of research grants. The 2013 Annual Maclean's Ranking of Canadian Universities placed the University of Winnipeg in the top half in Canada for attracting peer-adjudicated research grants. The University's success in obtaining this funding was in large part the result of the diligent strategic work of personnel in the Research Office.

Support from the ICP funds benefits our researchers in technology development, commercialization, and intellectual property processes. The ICP funds support the needs of our researchers and scholars in both the natural and human sciences, by allowing the University to provide the infrastructure required to allow them to focus on and expand their research. New granting initiatives and advances in communication technology infrastructure (the Cisco Telepresence Suite), as well as the profoundly important support garnered for the construction of the new United Health and Recreation Complex, create a productive, inspiring, and rewarding environment for research at The University of Winnipeg.

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Section VI - Overall Impacts

3. Redirection of funds

In the case of a number of institutions, the incremental impact of the Indirect Costs Program includes not only the results of investing the grant itself, but also the results of the other investments the institution is able to make by re-directing its own funds away from the areas covered with the grant. These impacts may be in the area of research support or also in the institution's renewed ability to meet the other aspects of its mandate.

Has your institution redirected some of its own operating funds as a result of the Indirect Costs Program?

Yes No

If "yes", please provide an explanation.

With the redirection of a substantial portion of our own operating funds, the University has been able to meet both our teaching and research objectives by upgrading and retrofitting our current campus facilities, expanding our campus, meeting faculty salary requirements, etc. Despite the ever-increasing pressure on our operating funds, we have been able to meet the academic priority of our University, which is to attract and retain highly-sought faculty in order to provide our students with the best instruction and research opportunities. The United Health and Recreation Complex will provide collaborative community programs, and provide researchers, particularly in the new Faculty of Kinesiology, with increased access to hands-on academic research and practicum experiences. Without support for the numerous expenses eligible under the ICP program, the University would not be able to maintain and build on its current level of support for such research

4. Other overall impacts

If the Indirect Costs Program has had other overall impacts on your institution, which were not listed in the previous questions, please provide details.

[Empty text box for providing details on other overall impacts]

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Section VII - Public Disclosure Requirement for Institutions

As of June 30, 2012, institutions are required to post a few elements of information on the indirect costs of research and the Program on their website. Please copy and paste below the URL of the webpage where this information is posted.

<http://www.uwinnipeg.ca/index/indirect-costs-of-research>

Section VIII - Your comments

Describe any problem you have experienced with the Indirect Costs Program, suggest improvements to the program, or highlight particular successes of the program at your institution.