

BOARD OF GOVERNORS

The material contained in this document is the Agenda for the next meeting of the Board of Governors.

Tuesday, September 24, 2019

Alan A. Borger Sr. Executive Conference Room

E1-270 EITC

4:00 p.m.

OPEN SESSION

Please call regrets to: 474-6165 no later than 9:00 a.m. the day of the meeting.

OFFICE OF THE UNIVERSITY SECRETARY



**University
of Manitoba**

BOARD OF GOVERNORS OPEN SESSION

Alan A. Borger Sr. Executive Conference Room
E1-270 EITC

Tuesday, September 24, 2019 at 4:00 p.m.

Page 1 of 1

AGENDA

		<u>Presenter</u>	<u>Page</u>	<u>Est. Time</u>
1.	ANNOUNCEMENTS	Chair		4:00 p.m.

FOR ACTION

2.	APPROVAL OF THE AGENDA	Chair	2	4:00 p.m.
3.	MINUTES (Open Session)			
3.1	Approval of the Minutes of the June 25, 2019 OPEN Session as circulated or amended	Chair	3	4:05 p.m.
3.2	Business Arising - none	Chair		

4.	UNANIMOUS CONSENT AGENDA	Chair		4:05 p.m.
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If any member of the Board wants to ask a question, discuss or oppose an item that is marked for the consent agenda, the member can have an item removed from the consent agenda by contacting the Secretary of the Board prior to the meeting or by asking that it be removed before the Chair calls for a mover and seconder for the motion to approve or receive, by unanimous consent, the items listed.

4.1 Consent Items from Senate (for approval)

4.1.1	Revised Terms of Reference for the Chair in Pediatric Emergency Medicine	President	12	(consent)
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4.2 Consent Items from Finance, Administration, & Human Resources (for information)

4.2.1	UM Pension Plan (1993) Audited Financial Statements	V.P. (Admin.)	18	(consent)
4.2.2	UM GFT Pension Plan (1986) Audited Financial Statements	V.P. (Admin.)	37	(consent)

4.3 Consent Items from Executive Committee (for information)

4.3.1	Report from the Senate Committee on Awards	Chair	62	(consent)
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5. FROM FINANCE, ADMINISTRATION, & HUMAN RESOURCES

5.1	Student Organization Fees Policy Amendment	J. Taylor	64	4:10 p.m.
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FOR INFORMATION

6. NEW BUSINESS

6.1	Report from the President	President	70	4:15 p.m.
6.2	Annual Code of Conduct Compliance Report	J. Leclerc	89	4:25 p.m.

MOTION TO MOVE TO CLOSED AND CONFIDENTIAL SESSION



**Minutes of the
OPEN Session of the Board of Governors
June 25, 2019**

Present: J. Lieberman, Chair
J. Leclerc, Secretary

A. Mahon D. Barnard S. Bonner-Proulx S. Demmings L. Hyde J. Knysh
K. Lee J. Linden C. Loewen M. Mollot
C. Neumann K. Osowy J. Sanderson J. Taylor

By Telephone: J. Anderson

Regrets: M. Hudson (Assessor) R. Mohammed M. Silicz

Absent: K. Kieloch M. Sharma T. Taves

Assessors Present: S. Woloschuk

Officials Present: S. Foster T. Hay D. Jayas G. Pasieka
J. Ristock Zapshala-Kelln

Officials Sending Regrets: J. Kearsey

Guests: J. Adams A. Konowalchuk C. Nairn

1. ANNOUNCEMENTS

The Chair congratulated Dr. Jayas on receiving an earned doctorate from the University of Saskatchewan. The President congratulated Mr. Lieberman on being re-elected to the Board of Governors by the alumni of the University.

FOR ACTION

2. APPROVAL OF THE AGENDA

It was moved by Dr. Anderson and seconded by Mr. Knysh:
THAT the agenda for the June 25, 2019 meeting be approved as circulated.

CARRIED

3. **MINUTES (Open) Session**

- 3.1 Approval of the Minutes of the May 21, 2019 Open Session as circulated or amended

It was moved by Ms. Linden and seconded by Mr. Osiowy:

THAT the minutes of the May 21, 2019 Open session be approved as circulated.

CARRIED

- 2.2 Business Arising – none

FOR RECOMMENDATION

3. **UNANIMOUS CONSENT AGENDA**

It was moved by Mr. Demmings and seconded by Dr. Mollot:

THAT the Board of Governors approve the following:

THAT the Board of Governors approve two new offers, as set out in Appendix A of the Report of the Senate Committee on Awards – Part B [dated April 4, 2019].

THAT the Board of Governors approve twelve new offers, five amended offers, and the withdrawal of three offers, as set out in Appendix A of the Report of the Senate Committee on Awards – Part A [dated April 4, 2019].

THAT the Board of Governors approve two new offers, as set out in Appendix A of the Report of the Senate Committee on Awards – Part B [dated May 16, 2019].

THAT the Board of Governors approve twelve new offers, eight amended offers, and the withdrawal of one offer, as set out in Appendix A of the Report of the Senate Committee on Awards – Part A [dated May 16, 2019].

THAT the Board of Governors approve the conversion of the Dr. Lyonel G. Israels Professorship in Hematology to a Chair.

THAT the Board of Governors approve the closure of the Bachelor of Science in Textile Sciences and the Minor in Textile Sciences, Faculty of Agricultural and Food Sciences [subject to Senate approval, June 26, 2019].

THAT the Board of Governors approve the establishment of an endowed research Professorship in Endocrinology [subject to Senate approval, June 26, 2019].

THAT the Board of Governors approve the establishment of a research Chair in Clinical Stroke Research [subject to Senate approval, June 26, 2019].

THAT the Board of Governors approve the establishment of an endowed research Chair in Pediatric Emergency Medicine [subject to Senate approval, June 26, 2019].

The Board of Governors received the following for information and/or discussion:

4.2.1 *Status of Academic Programs Reviews and Accredited Programs, April 1, 2018 – April 30, 2019*

4.2.2 *Temporary Increase to Admission Target, Bachelor of Kinesiology, President's Approval*

CARRIED

5. FROM AUDIT & RISK MANAGEMENT

5.1 Annual Financial Report

5.1.1 Presentation of the Annual Financial Statements

Ms. Zapshala-Kelln stated that the *University of Manitoba Act* requires that the University provide the Minister of Education and Training an annual report, including the audited financial statements, within six months of each fiscal year end. She asked Mr. Hay and Mr. Pasieka to present the financial statements.

Mr. Pasieka said that the Office of the Auditor General (OAG) has indicated that it is prepared to issue an unqualified opinion on the Financial Statements once the subsequent events audit procedures, the management representations, the legal letter replies, and the Board of Governors approval have been completed.

Mr. Pasieka stated that, following consultation with the Provincial Comptroller's Office and the OAG, the University recorded an allowance against the phase two loan receivable and payable related to the stadium. He noted that this is in alignment with what the Province had done to write down the loan payable.

Mr. Pasieka noted that the Management Discussion and Analysis (MD&A), beginning on page 130 of the meeting materials, includes an explanation of the financial results for the year. He explained that the MD&A highlights significant components of the assets, liabilities, revenue and expenses as well as explanations of cash balances and fund transfers.

5.1.2 Audit Results Memo (for information)

Ms. Zapshala-Kelln stated that the OAG did not identify any unadjusted misstatements or disclosure exceptions in the financial statements. She added that the OAG made no new recommendations this year.

Mr. Hay said that the OAG is prepared to issue an unqualified opinion on the University's financial statements once the Board of Governors has approved the statements and pending completion of management representations and lawyer letters. He noted the OAG did not

identify any unadjusted misstatements, the statements are free of material misstatements, and there are no new findings to report.

5.1.3 Approval of the Financial Statements

It was moved by Dr. Taylor and seconded by Ms. Linden:

THAT the Board of Governors approve the Financial Statements of The University of Manitoba for the year ended March 31, 2019.

CARRIED

5.1.4 Public Sector Compensation Disclosure Report

Mr. Osiowy said that the Audit & Risk Management Committee met on June 17 to review the report and recommends Board approval.

Ms. Zapshala-Kelln explained that this report is prepared pursuant to provincial legislation. She noted that the requirement is to report compensation over \$50 thousand; however, next year this will change to compensation over \$75 thousand.

It was moved by Dr. Mollot and seconded by Mr. Knysh:

That the Board of Governors approve the Public Sector Compensation Disclosure Report of The University of Manitoba for the year ended December 31, 2018.

CARRIED

6. FROM FINANCE, ADMINISTRATION, & HUMAN RESOURCES

6.1 Student Organization Fee Changes

Mr. Sanderson stated that the Manitoba Medical Students' Association held a referendum and voted in favour of an increase to their fees. He added that the Community Health Sciences Students had not had a formal students' association since the closure of the Faculty of Human Ecology, so that group held a referendum to formalize the Community Health Students' Association. He noted that copies of the referendum were included in the meeting materials.

It was moved by Ms. Lee and seconded by Mr. Knysh:

THAT the Board of Governors approve that, effective September 1, 2019, the following classes of students (together, the "Interdisciplinary Health" students) become subject to membership in the Community Health Students' Association and to the relevant faculty Student Organization Fee:

- 1. Undergraduate students in Interdisciplinary Health programs, including Bachelor of Health Studies and Bachelor of Health Sciences (who are not currently represented by any Student Organization)**
- 2. Undergraduate students in legacy Family Social Sciences programs, including Bachelor of Human Ecology (who are currently represented by Manitoba Medical Students' Association); and**

THAT, effective September 1, 2019, the following Faculty/College Student Organization fees be updated:

- 1. The fee for Manitoba Medical Students' Association (Medicine students) be changed from \$10.38 to \$27.88 per term.**
- 2. The fee for Community Health Students' Association (Interdisciplinary Health students) be established at \$0.90 per credit hour.**

CARRIED

6.2 Sustainability Strategy

Ms. Lee stated that the Finance, Administration, and Human Resources Committee had met on June 17, 2019 and voted to recommend the Sustainability Strategy to the Board for approval.

Ms. Zapshala-Kelln said that this document builds on and renews the previous Sustainability Strategy. She noted that it aligns with and supports both the University's Strategic Plan 2015-2020 and the Visionary (re)Generation Master Plan. She asked Mr. Andrew Konowalchuk to speak to the strategy.

Mr. Konowalchuk explained that the Sustainability Strategy 2019-2023 emphasizes leadership, integration of sustainability into all areas of endeavor, and participation of the University community. He noted that the Strategy focuses on actions over the next five years and suggests longer-term actions that would continue progress. He introduced Christine Nairn, currently the Acting Director of the Office of Sustainability.

Ms. Nairn stated that the University received a Sustainability Tracking, Assessment & Rating System (STARS) Silver rating from the Advancement of Sustainability in Higher Education in 2015 and a STARS Gold rating in 2018. She explained that almost 100 universities worldwide subscribe to that reporting system, with 20 in Canada. She noted that this reporting system looks at building systems, utilities, education, and everything that supports sustainability. She added that STARS is the baseline for reporting and comparison, and the University of Manitoba's Gold rating is on the same level as the University of British Columbia and Simon Fraser University. Ms. Nairn noted that this is a good news story that should be shared widely. She stated that this university aims to achieve a Platinum rating; currently held by only one university in the world.

Ms. Nairn listed key achievements in the last three years:

- Sustainable transportation options;
- Energy and greenhouse gas demand decreased;
- Gold rating through the Association for the Advancement of Sustainability in Higher Education (AASHE) Sustainability Tracking, Assessment and Rating System (STARS);
- Pedestrian and cycling infrastructure;
- Car/ride sharing app, EV parking stalls, and carpool stalls;
- Completed the bring the "Great Trail" onto campus project;
- Added a bike kiosk and a staff bike fleet;

- Introduced a permaculture garden; and
- Completed a commuter survey, greenhouse gas audit, campus waste/composting audit, and assessed accuracy of recycling/garbage cans.

Ms. Nairn said that the office also does a great deal of community engagement, including the following initiatives: Commuter Challenge, Bike to Work Week, Sustainability Nights, Lunch and Learn events, and Jane's Walks. She noted that Bannatyne is now a fair trade campus.

Board members thanked Mr. Konowalchuk and Ms. Nairn for their efforts in developing the strategy and for having engaged in extensive consultation with the University's stakeholders. It was noted that this is an important initiative and a great opportunity, as the University is uniquely positioned to lead by example in this area. Board members emphasized the need to tell the story that this University is among the leaders in Canada.

Ms. Nairn stated that the University is working with industry and is always looking to partner on initiatives. She added that her office works with the Campus Planning Office in their work liaising with the City on issues.

It was moved by Ms. Lee and seconded by Mr. Knysh:

THAT the Board of Governors approve the Sustainability Strategy 2019-23.

CARRIED

7. FROM SENATE

7.1 Student Awards Policy

The President said this recommendation is from Senate to implement a *Student Awards Policy*, effective July 1, 2019. He explained that the policy was developed by Enrolment Services and will replace two existing documents; a regulation on the General Terms and Conditions of Student Awards, and the *Non-Acceptance of Discriminatory Awards Policy*. He noted that the changes will ensure that policies with regards to awards are transparently documented in one policy and will allow easier establishment of awards targeted to students from under-represented groups in a manner consistent with the Manitoba Human Rights code.

It was moved by Dr. Prentice and seconded by Mr. Sanderson:

THAT the Board of Governors approve the *Student Awards* policy, as recommended by Senate, effective July 1, 2019.

CARRIED

7.2 Strategic Enrolment Management Plan

Dr. Barnard said this plan is brought forward from Senate for approval. He explained that the plan establishes nine broad and measurable goals for enrolment and student outcomes. He

added that, once approved, Senate and the Board will be updated annually on progress in relation to the goals identified in the plan.

Dr. Ristock added that the plan builds on the initial plan and pushes some tactics and strategies to the faculty level.

Mr. Adams stated that the intention of the plan is to be more strategic and more deliberate, so it is more focused than the previous one. He added that there is room to maneuver in the plan so that individual faculties can determine what works in their case, because there is variation in what faculties need. He noted that some programs have very high retention rates, while others need more supports in place.

It was noted that there has been a rapid rise in the number of international students coming to the University of Manitoba and that those students' first language is not English. Board members expressed concern about supports for international student success as well as the impact on operating costs. Board members asked if it would be possible to increase enrolment of students from within Manitoba. Mr. Adams explained that there are fewer students graduating high school so the pool of eligible students is smaller. He added that this is the case across the country and competition increases with a shrinking market as universities are recruiting in other provinces. Mr. Adams said that this competition requires updated recruiting methods with targeted messages to students. He added that communications are tailored to the recipient, as they are more effective if personalized and highly relevant.

Mr. Adams stated that part of reviewing enrolment targets is the faculty's demonstration of demand, which is built into the policy and procedure document. He added that deans look at enrolment levels constantly and are in dialogue with industry on an ongoing basis regarding demand for certain programs.

Discussion ensued about specific targets and how they would be set. Mr. Adams noted that the language was left somewhat vague and the plan does not include specific numeric goals in order to maintain some flexibility. He added that not all institutions set specific numeric targets, but they do monitor data continuously to ensure the numbers move in the desired direction. He added that it is appropriate that targets be allowed to change because they are informed by data and demographics. He noted that some numeric targets may be set as the plan evolves.

Dr. Ristock said that faculties need to present student enrolment plans and faculty hiring plans in order to justify the budget allocations they receive. She added that goals would be identified as the process evolves.

Mr. Adams noted that the plan must align with the current strategic plan, so when a new strategic plan is developed, the strategy and tactics of the enrolment plan would also be reviewed.

It was moved by Ms. Linden and seconded by Ms. Loewen:

THAT the Board of Governors approve the Strategic Enrolment Management Plan, 2018 – 2023 [subject to Senate approval, June 26, 2019].

CARRIED

FOR INFORMATION

8. NEW BUSINESS

8.1 Report from the President

Dr. Barnard observed that the annual spring convocation went well. He noted that it began with the installation of Chancellor Anne Mahon and ended with the Université de Saint Boniface convocation. He noted that it is a very positive time of celebration at the University.

FOR DISCUSSION/ADVICE

9. FROM SENATE

9.1 Request to Extend Suspension of Admissions to M.Sc. in Textile Sciences, M.A. in Icelandic Language and Literature, and M.Sc. In Family Social Sciences

The President noted that, under the *Enrolment Targets Policy*, the President has the authority to approve changes to admission targets, following consultation and discussion with the Dean or Director, with Senate and the Board of Governors. He noted that he has received requests from the Faculty of Graduate Studies to extend the suspension of admissions to three programs:

- Master of Science in Textile Sciences, for one year to allow development of a proposal to close the program. There are currently no students in the program.
- Master of Arts in Icelandic Language and Literature, for two years. There is currently one student enrolled in the program.
- Master of Science in Family Social Sciences, for two years. There are currently three students enrolled in the program.

Dr. Barnard said he had consulted with Senate at their last meeting and is now bringing it to the Board for comment, in accordance with the Policy.

Dr. Taylor suggested that the term “budget deans” on page 393 of the meeting materials be reconsidered.

9.2 Request to Extend Suspension of Admissions to Post-baccalaureate Diploma in Agrology

Dr. Barnard noted that this request is to extend the suspension of admissions to the Post-Baccalaureate Diploma in Agrology for one year to allow the Faculty to consider whether to propose closure of the program.

MOTION TO MOVE TO CLOSED AND CONFIDENTIAL

It was moved by Ms. Lee and seconded by Ms. Linden:
THAT the meeting move into Closed and Confidential Session.

CARRIED

Chair

University Secretary

DRAFT



AGENDA ITEM: Revised Terms of Reference for Endowed Research Chair in Pediatric Emergency Medicine

RECOMMENDED RESOLUTION:

For information only.

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

- At its meeting on June 25, 2019, the Board of Governors approved the establishment of an endowed research Chair in Pediatric Emergency Medicine, in the Max Rady College of Medicine, Rady Faculty of Health Sciences, subject to Senate approval.
- At its meeting on June 26, 2019, Senate approved the establishment of the Chair, with one amendment. Specifically, the second bulleted item under the heading “General and Specific Requirements for the Chair,” was revised to read: “History of excellence in research as evidenced in high quality research output, successful and promising research projects and programs, and significant contributions to the academic and clinical community at the local, provincial, national and/or international level.” The revised requirement is included as the fourth bulleted item in the revised document (attached).
- The revision makes this Chair consistent with other recently approved Chairs and Professorships.

RESOURCE REQUIREMENTS:

N/A

IMPLICATIONS:

N/A

CONSULTATION:

In accordance with the University policy on *Chairs and Professorships*, a proposal to establish the Chair was previously endorsed by the Provost and Vice-President (Academic) and by the Senate Committee on University Research. The proposal was considered and approved by Senate at its meeting on June 26, 2019, with the amendment indicated above.



Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Senate	June 26, 2019
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Submission prepared by: Senate

Submission approved by: University Secretary

Attachments

- Revised terms of reference for an endowed research Chair in Pediatric Emergency Medicine, Max Rady College of Medicine

**PROPOSAL TO ESTABLISH A CHAIR IN PEDIATRIC EMERGENCY MEDICINE
AT THE UNIVERSITY OF MANITOBA**

EXECUTIVE SUMMARY:

In accordance with the procedures and mechanisms for establishing Chairs and Professorships at the University of Manitoba the following is presented requesting the establishment of a Chair in Pediatric Emergency Medicine.

TYPE OF APPOINTMENT: Chair

AREA: Chair in Pediatric Emergency Medicine

PURPOSE AND OBJECTIVES OF CHAIR:

The Chair in Pediatric Emergency Medicine will advance emergency healthcare for children in Manitoba and beyond. The Chair will establish leadership, scholarship and mentorship as a scientist in the University, the healthcare environment, and the Children's Hospital Research Institute of Manitoba. The following constitute the specific objectives of the Chair:

- To develop and promote evidence-based approaches to emergency research and care for children
- To develop and promote high quality research, and a learning healthcare system that facilitates innovations through research.
- To develop research skills in learners and the multidisciplinary team, including research study design, research management, knowledge translation, team building and grantsmanship as related to child health research.
- To supervise and/or co-supervise graduate students and special lecture in graduate courses relevant to child health disciplines.
- To be actively involved in the development of national and international research networks and mentorship initiatives and to maintain a leading role in the national child health agenda.

RELATIONSHIP TO THE PROPOSING UNIT:

The University of Manitoba, Rady Faculty of Health Sciences is a major center of medical education and research linked to sister institutions throughout Canada and the world. The University offers a full range of undergraduate and postgraduate programs embracing basic biomedical sciences, clinical medicine and population health. Within the Rady Faculty the Max Rady College of Medicine, Department of Pediatrics and Child Health is one of Manitoba's largest academic clinical departments, with a diverse and significant commitment to excellence in clinical, basic and translational research, post-graduate clinical and research training, and

graduate student training. Support for research and research training is facilitated through close partnership with the Children's Hospital Research Institute of Manitoba (CHRIM), as well as with academic departments in the Rady Faculty of Health Sciences with programs accredited by the Faculty of Graduate Studies. The Department strongly encourages the development of clinician scientists and scientists among its trainees and junior Faculty. The Chair, situated in the Department of Pediatrics and Child Health, will help drive the priorities for education and research by attracting high quality personnel and trainees to their program.

THE METHOD BY WHICH THE CHAIR WILL BE FUNDED:

The Robert Wallace Cameron Fund (Trust) was established in 1994 and has built strong capital over the course of 23 years. The fund will now be converted to a Chair providing \$2.2 million as the base capital endowment to support the Chair. The Dr. Henry G. Friesen Chair / Metabolic and Endocrine Diseases Fund, will transfer at least \$1.0 million of unspent allocation to ensure that the Chair exceeds the required \$3.0 million of capitalized endowment to meet the University of Manitoba requirement for an endowed Chair in Pediatric Emergency Medicine.

The revenue generated from this fund will support the salary for the appointee, as well as an appropriate level of unrestricted research support for the Chair in the form of operating funds depending whether additional funding will be available. In addition, opportunities to leverage these funds will be explored through programs offered by the Vice President Research and International Office for recruitment of new faculty to an endowed Chair.

GENERAL AND SPECIFIC REQUIREMENTS FOR THE CHAIR:

In accordance with the Procedures and Mechanisms for establishing Chairs and Professorships at the University of Manitoba, individuals appointed to the "*Chair in Pediatric Emergency Medicine*" shall have the following qualifications:

- Canadian Citizen or permanent resident;
- The applicant will hold an MD or related degree, and/or a PhD degree;
- The applicant will hold an academic appointment in the Rady Faculty of Health Sciences, Max Rady College of Medicine, Department of Pediatrics and Child Health at the rank of Assistant Professor, Associate Professor or Professor;
- The applicant will have a history of excellence in research as evidenced in high quality research output, successful and promising research projects and programs, and significant contributions to the academic and clinical community at the local, national and/or international level;
- They will have a focus on translational research, innovation, quality and the concept of the learning healthcare system.
- They will have demonstrated mentorship and collaborative skills with junior faculty members and trainees starting out in their area of research.

- They will provide evidence of participation in the development of child health research at a national level. The incumbent will be appointed at a rank and salary commensurate with their education and experience.

TERM OF APPOINTMENT:

- The initial term of the appointment will be five years, and renewable for five years, with no limit predetermined for the Chair;
- The incumbent will provide an annual progress report in accordance with the University Policy on Chairs and Professorships. In addition to the reporting requirements stipulated in this policy, the incumbent shall provide an annual report of teaching and research activities to the Dean of the Rady Faculty of Health Sciences and the Head of the Department of Pediatrics and Child Health. In turn, the Dean shall provide a copy of the said report to individuals that have specifically requested this information, or it may be used for reporting to donors in university communications.
- Consistent with the Department of Pediatrics and Child Health policies, the incumbent will participate in an annual performance feedback meeting.
- The renewal of the appointment for additional terms will occur in the final year of the term and will be subject to a successful review of the incumbent’s performance within the context of the Department of Pediatrics and Child Health policies; the process of review will be initiated and coordinated by the Head of the Department of Pediatrics and Child Health.

A successful performance review will provide evidence of the following:

Program of Research, Scholarly Work and Creative Activities

The Chair is developing or has an established program either individually and/or as a team. There is evidence of leadership.

Knowledge Generation/Communication

1. **Publications** – There is evidence of sustained dissemination of new knowledge that is directed towards the academic and/or healthcare community.
2. **Presentations** – There is evidence of communication of research findings to the academic, professional, or stakeholder community on a regular basis.

Funding

1. **Operating** – There is evidence that the Chair plays a leading role in successful applications to competitive funding organizations individually or as a member of a team.
2. **Student Funding** – The Chair is expected to assist research trainees under their supervision with funding applications.

Student Supervision

The Chair is expected to be involved in successful supervision of research trainees.

OTHER PROVISIONS:

- 1) The selection and appointment of an individual to the proposed Chair shall be conducted in accordance with the University Policy and Procedures on Chairs and Professorships.
- 2) The duties and responsibilities of the individual appointed to the proposed Chair will be in accordance with the University Policy and Procedures on Chairs and Professorships.
- 3) The Chair holder will have a cross appointment to an applicable Department for the purpose of graduate training. The incumbent will participate in an appropriate amount of teaching activity, including for undergraduate and post-graduate medical trainees and graduate students, where appropriate.
- 4) The incumbent will acknowledge that she or he holds the Chair in Pediatric Emergency Medicine at the University of Manitoba in all publications, lectures, and any other activity supported by the fund.

AGENDA ITEM: U of M GFT Pension Plan (1986) Audited Statements for the year ended December 31, 2018

RECOMMENDED RESOLUTION:

None. For information only.

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

The University of Manitoba GFT Pension Plan (1986) provides eligible employees of the University of Manitoba with retirement, termination, and death benefits. The Plan is registered with both the Manitoba Pension Commission and the Canada Revenue Agency (CRA). As registered arrangements, the Plan must comply with the strict provisions outlined in both the Manitoba Pension Benefits Act (PBA) and the Canadian Income Tax Act.

The Pension Committee of the University of Manitoba GFT Pension Plan (1986) acts as both Pension Committee and as “Administrator”, as described in the PBA and regulations. The Committee has the rights, powers, and obligations necessary for the Committee to administer the Plan in accordance with the Act and regulations.

The overall purpose of the Committee includes:

- monitoring the operation of the Plan;
- taking responsibility for the Plan’s administration;
- ensuring that the Plan is in compliance with all applicable legislation; and
- acting in an advisory capacity to the Board, making recommendations as required.

The Pension Committee's responsibilities as administrator include the integrity, objectivity and preparation of the accompanying financial statements and notes. The financial statements are prepared by management in accordance with Canadian accounting standards for pension plans.

KPMG has examined the financial statements and expressed an unqualified audit opinion. The financial statements have been approved by the Pension Committee and are being provided for information to the Board of Governors.

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

Oversight of the University’s Pension plans supports Building Community that creates an outstanding learning and working environment.



Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	FAHR _____	September 3, 2019 _____
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Submission prepared by: Shelley Foster

Submission approved by: Jeff Leclerc, University Secretary

Attachments

University of Manitoba GFT Pension Plan (1986) Audited Statements for the year ended December 31, 2018

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Independent Auditors' Report and Financial Statements
for the year ended December 31, 2018**



UNIVERSITY
OF MANITOBA

Pension Office

180 Extended Education Complex
Winnipeg, Manitoba
Canada R3T 2N2
Phone: 204-474-6661
Fax: 204-474-7640

THE UNIVERSITY OF MANITOBA GFT PENSION PLAN (1986)
RESPONSIBILITY FOR FINANCIAL REPORTING

The Pension Committee of The University of Manitoba GFT Pension Plan (1986) (Pension Committee) administers the Pension Plan in accordance with The Pension Benefits Act of the Province of Manitoba and with provision of the Income Tax Act (Canada). The Pension Committee's responsibilities as administrator, includes the integrity, objectivity and preparation of the accompanying financial statements and notes. The financial statements are prepared by management in accordance with Canadian accounting standards for pension plans. The financial statements have been approved by the Pension Committee.

The Pension Committee and management maintain a system of internal control to provide a reasonable assurance that the books and records, from which the financial statements are derived, are complete, accurate and properly reflect all transactions. Independent custodians prepare records of all investment transactions.

KPMG has examined the financial statements and expressed a written opinion.

Cheryl A. Britton
Financial and Investment Analyst

Bernard Gold
Director, Pension Office

May 13, 2019
Winnipeg, Manitoba



KPMG LLP
One Lombard Place
Suite 2000
Winnipeg MB
R3B 0X3

Telephone (204) 957-1770
Fax (204) 957-0808
www.kpmg.ca

INDEPENDENT AUDITORS' REPORT

To the Legislative Assembly of Manitoba
To the Pension Committee of The University of Manitoba GFT Pension Plan (1986)
To the Board of Governors of The University of Manitoba

Opinion

We have audited the financial statements of The University of Manitoba GFT Pension Plan (1986) (the Entity), which comprise the statement of financial position as at December 31, 2018, the statement of changes in net assets available for benefits for the year then ended, and notes to the financial statements, including a summary of significant accounting policies (hereinafter referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Entity as at December 31, 2018, and its changes in net assets available for benefits for the year then ended in accordance with Canadian accounting standards for pension plans.

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the "**Auditors' Responsibilities for the Audit of the Financial Statements**" section of our auditors' report.

We are independent of the Entity in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada and we have fulfilled our other ethical responsibilities in accordance with these requirements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian accounting standards for pension plans, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.



In preparing the financial statements, management is responsible for assessing the Entity's ability to continue as a going concern, disclosing as applicable, matters related to going concern and using the going concern basis of accounting unless management, either intends to liquidate the Entity or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Entity's financial reporting process.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion.

Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit.

We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion.

The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Entity to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.



- Communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

KPMG LLP

Chartered Professional Accountants

Winnipeg, Canada

May 13, 2019

The University of Manitoba GFT Pension Plan (1986)

Statement of Financial Position As at December 31, 2018 (\$ thousands)

	<u>2018</u>	<u>2017</u>
ASSETS		
Investments (Note 3)	\$ 55,856	\$ 62,311
TOTAL ASSETS	<u>55,856</u>	<u>62,311</u>
LIABILITIES		
Accounts Payable	49	58
TOTAL LIABILITIES	<u>49</u>	<u>58</u>
NET ASSETS AVAILABLE FOR BENEFITS	\$ 55,807	\$ 62,253
PENSION OBLIGATIONS (Note 2e)	<u>55,807</u>	<u>62,253</u>
PLAN SURPLUS/(DEFICIT)	<u>\$ -</u>	<u>\$ -</u>

The University of Manitoba GFT Pension Plan (1986)

Statement of Changes in Net Assets Available for Benefits

For the year ended December 31, 2018

(\$ thousands)

	<u>Member Regular</u>	<u>Member Voluntary</u>	<u>Employer Regular</u>	<u>Total 2018</u>	<u>Total 2017</u>
INCREASE IN ASSETS					
Contributions	\$ -	\$ 65	\$ 2,157	\$ 2,222	\$ 2,266
Investment income (Note 6)	18	13	1,358	1,389	1,408
Current period change in fair value of investments (Note 7)	-	-	-	-	4,861
	<u>18</u>	<u>78</u>	<u>3,515</u>	<u>3,611</u>	<u>8,535</u>
DECREASE IN ASSETS					
Current period change in fair value of investments (Note 7)	24	17	1,802	1,843	-
Retirement benefits	1,075	-	6,590	7,665	3,416
Refunds and transfers	-	-	141	141	248
Death benefits	-	-	22	22	26
Administrative expenses (Note 9)	5	3	378	386	398
	<u>1,104</u>	<u>20</u>	<u>8,933</u>	<u>10,057</u>	<u>4,088</u>
NET INCREASE/(DECREASE) FOR THE YEAR	(1,086)	58	(5,418)	(6,446)	4,447
NET ASSETS AVAILABLE FOR BENEFITS AT THE BEGINNING OF THE YEAR	<u>1,980</u>	<u>425</u>	<u>59,848</u>	<u>62,253</u>	<u>57,806</u>
NET ASSETS AVAILABLE FOR BENEFITS AT THE END OF THE YEAR	<u>\$ 894</u>	<u>\$ 483</u>	<u>\$ 54,430</u>	<u>\$ 55,807</u>	<u>\$ 62,253</u>

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

1. Description of Plan

General

The University of Manitoba GFT Pension Plan (1986) (the “Plan”) is a trustee plan administered in accordance with The Pension Benefits Act of the Province of Manitoba and with provisions of the Income Tax Act (Canada).

The Pension Committee of the Plan is the Administrator. The University of Manitoba is the Plan sponsor. CIBC Mellon Trust Company has been appointed trustee and custodian in accordance with the terms of a Trust Agreement between the Pension Committee and CIBC Mellon Trust Company.

The following description of the Plan is a summary only. For more complete information, reference should be made to the Plan document.

Eligibility

Staff members of the University of Manitoba who sign a Geographical Full-Time agreement are eligible for membership in the Plan.

Funding

The University contributes for each member an amount equal to the lesser of:

- a) 6% of the base salary of full professors at the University minus an adjustment for the Canada Pension Plan, and
- b) the maximum contribution permitted by the Income Tax Act (Canada).

There are no member contributions.

Retirement Benefits

The Plan, a defined contribution plan, provides that at retirement, the accumulated value of the member’s contribution account (if any), and University contribution account, are applied to purchase a life annuity from a licensed insurance company or transferred to a Life Income Fund or a Prescribed Registered Retirement Income Fund (PRIF) in accordance with The Pension Benefits Act. A member may also elect to transfer part or all of his/her member and University contribution account to a Locked-In Retirement Account (LIRA) provided the administrator of such LIRA agrees to administer the funds in the same manner as pension benefit credits transferred to a deferred life annuity under The Pension Benefits Act.

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

Termination Benefits

The Plan provides for full and immediate vesting on termination of employment subject to the provisions of The Pension Benefits Act of the Province of Manitoba.

Pre-retirement Death Benefits

The benefit on death prior to retirement is the accumulated value of the member's University contribution account for members who are eligible to retire.

2. Significant Accounting Policies

a) Basis of Accounting

The financial statements have been prepared in accordance with Canadian accounting standards for pension plans. The Plan has adopted Part II (Private Enterprises) accounting standards for all accounting policies that do not relate to the valuation of the investment portfolio or pension obligations.

These financial statements do not reflect an individual plan member's benefit security.

b) Financial Instruments

The financial instruments of the Plan consist of investments and accounts payable.

Initially, all financial assets and liabilities are recorded at fair value on the Statement of Financial Position. Subsequent measurement is determined by the classification of each financial asset and liability. Investment assets and liabilities are measured at fair value with the change in fair value recognized in the Statement of Changes in Net Assets Available for Benefits. The financial instruments classified as accounts payable are measured at amortized cost.

All investment assets and liabilities are measured at fair value based on International Financial Reporting Standards (IFRS) 13.

The Plan recognizes and derecognizes all other financial assets and liabilities in accordance with Financial Instruments, Section 3856, of Part II of the CPA Canada Handbook.

THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)

Notes to the Financial Statements
December 31, 2018

The majority of investment assets for the Plan are invested in pooled funds managed by TD Greystone Asset Management (Greystone). Pooled fund investments are valued at the unit values and net asset value per units used for subscriptions and redemptions supplied by the pooled fund manager, Greystone, which represent the Plan's proportionate share of underlying net assets at fair values.

Short-term investments are recorded at cost which approximates fair value.

c) Foreign Currency Translation

The fair value of investments denominated in foreign currencies is translated into Canadian dollars at the exchange rate in effect at year end and the resulting change is included in the change in fair value of investments. Revenue and expense transactions are translated at the exchange rates prevailing on the dates of the transactions and are included in investment income or the change in fair value of investments (realized gains or losses) at the translated amounts.

d) Allocation of Income/Loss to Individual Plan Members

Investment income/loss is determined and allocated to individual member accounts monthly. Investment income/loss for a month consists of dividend and interest income, realized gains or losses on the sale of investments and unrealized investment gains or losses. Expenses as defined in the service agreement are deducted before the allocation is made. Net investment income/loss is distributed pro-rata to all member accounts based on the member's account balance at the beginning of the month.

e) Pension Obligations

Since the Plan is a defined contribution pension plan, the pension obligations are equal to the net assets available for benefits.

f) Use of Estimates

In preparing these financial statements, estimates and assumptions have been used that primarily affect the reported values of certain assets and liabilities at the date of the financial statements and the reported amounts of changes in net assets available for benefits during the year. Actual results could differ from those estimates.

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

3. Investments

The fair value of the units held in pooled funds is \$55.2 million at December 31, 2018 (2017 - \$61.7 million).

The underlying assets in the units held in the pooled funds plus cash of \$0.7 million (2017 - \$0.6 million) held for benefits and expenses are as follows:

As at December 31, 2018 (\$ thousands)			
	Cost	Fair Value	% of Asset Mix at Fair Value
Cash and short-term investments	\$ 1,168	\$ 1,168	2.1%
Bonds and debentures	14,540	13,585	24.3%
Mortgages	4,636	4,332	7.8%
Real estate	3,235	3,023	5.4%
Infrastructure	3,346	3,127	5.6%
Canadian equities	10,543	9,850	17.6%
Foreign equities	22,231	20,771	37.2%
	\$ 59,699	\$ 55,856	100.0%

As at December 31, 2017 (\$ thousands)			
	Cost	Fair Value	% of Asset Mix at Fair Value
Cash and short-term investments	\$ 631	\$ 631	1.0%
Bonds and debentures	12,166	12,743	20.5%
Mortgages	5,494	5,755	9.2%
Real estate	5,353	5,607	9.0%
Infrastructure	2,143	2,245	3.6%
Canadian equities	12,778	13,384	21.5%
Foreign equities	20,952	21,946	35.2%
	\$ 59,517	\$ 62,311	100.0%

THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)

Notes to the Financial Statements
December 31, 2018

4. Risk Management

Fair values of investments are exposed to market risk, credit risk and liquidity risk.

The Pension Committee hired Greystone to invest the assets of the Plan in their pooled funds. Greystone uses disciplined quantitative and qualitative investment processes for portfolio construction and management. Greystone's overall risk management program seeks to minimize the potentially adverse effect of risk on the pooled funds' financial performance in a manner consistent with the pooled funds' investment objectives and risk constraints. The following analysis is based on the underlying assets held in the pooled funds.

a) Market risk

Market risk consists of other price risk, interest rate risk and foreign currency risk.

i) Other price risk

Other price risk is the risk that the value of an investment will fluctuate as a result of changes in market conditions, whether those changes are caused by factors specific to the individual investment, or factors affecting all securities traded in the market.

Asset class diversification reduces risk. Within each asset class, risk is managed by quality constraints on investments.

ii) Interest rate risk

Interest rate risk refers to the effect on the fair value of assets and liabilities due to fluctuations in interest rates. The value of the Plan's fixed income assets is directly affected by changes in nominal and real interest rates. The impact of a change in the interest rates by 100 basis points would result in the fixed income portfolio market value changing by approximately \$1.8 million (2017 - \$1.1 million).

The established investment policies for the fixed income investment portfolio have guidelines on concentration, duration, and distribution which are designed to partially mitigate the risks of interest rate volatility.

iii) Foreign currency risk

Foreign currency risk is the risk that the value of an investment will fluctuate due to changes in foreign exchange rates.

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

The Plan's exposure in cash and investments to foreign currencies reported in Canadian dollars is affected by the currency exposure held in the pooled funds. The Plan's percentage exposure is shown below:

As at December 31, 2018	Percentage
Canadian dollar	57.2%
US dollar	25.6%
Euro	5.2%
Japanese Yen	3.8%
British Pound Sterling	3.0%
Hong Kong dollar	1.3%
Swiss Franc	1.2%
Other currencies	2.7%
	100.0%

As at December 31, 2017	Percentage
Canadian dollar	61.4%
US dollar	21.6%
Euro	5.1%
Japanese Yen	4.1%
British Pound Sterling	3.3%
Swiss Franc	1.1%
Hong Kong dollar	1.0%
Other currencies	2.4%
	100.0%

A 10 percent increase or decrease in exchange rates, with all other variables held constant, would result in a change in unrealized gains (losses) of approximately \$2.3 million (2017 - \$2.4 million).

b) Credit risk

Credit risk arises from the potential for an investee to fail or for a counterparty to default on its contractual obligations to the Plan. Credit risk is limited by dealing with counterparties that are considered to be of high quality relative to their obligations, by obtaining collateral where appropriate, through investment diversification and by setting and monitoring compliance with portfolio guidelines as set in the Statement of Investment Policies and Procedures.

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

At December 31, 2018, the Plan's maximum credit risk exposure relates to bonds and debentures, short-term investments and cash totaling \$14.8 million (2017 – \$13.4 million).

The breakdown of the fixed income investment portfolio by credit rating from various rating agencies is presented below:

Credit Rating	December 31, 2018	December 31, 2017
AAA	39.4%	44.2%
AA	36.9%	24.7%
A	11.9%	18.7%
BBB and lower	11.8%	12.4%
	100.0%	100.0%

c) Liquidity risk

Liquidity risk is the risk of being unable to generate sufficient cash, or its equivalent, in a timely and cost-effective manner to meet contractual obligations as they come due. The Plan is exposed to liquidity risk through their responsibility to pay benefits on a timely basis and fund their outstanding investment contractual obligations.

The term to maturity and the related market values of fixed income investments as shown below are prorated based on the percentage of units held in the pooled funds:

Term to Maturity (\$ thousands)	December 31, 2018	December 31, 2017
Less than five years	\$ 6,187	\$ 6,114
Five to ten years	3,322	2,534
Over ten years	4,076	4,095
Total fixed income investments	\$ 13,585	\$ 12,743

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

5. Valuation of Financial Instruments at Fair Value

The Plan measures the fair value of investments using the following fair value hierarchy that reflects the significant inputs used in making the measurements:

- a) quoted prices (unadjusted) in active markets for identical assets or liabilities (Level 1);
- b) inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly (i.e., as prices) or indirectly (i.e., derived from prices) (Level 2); and
- c) inputs for the asset or liability that are not based on observable market data (unobservable inputs) (Level 3).

The pooled funds of \$55.2 million (2017 - \$61.7 million) and the cash equivalents held to pay benefits of \$0.7 million (2017 - \$0.6 million) are Level 2 investments based on the level in the fair value hierarchy into which its fair value measurement is categorized.

6. Investment Income (\$ thousands)

The following table represents the investment income for the Plan. The allocation to individual plan members' contribution accounts is described in Note 2d.

	2018	2017
Interest	\$ 2	\$ -
Dividends	1,387	1,408
Total investment income	\$1,389	\$ 1,408

7. Current Period Change in Fair Value of Investments (\$ thousands)

The following table represents the realized and unrealized gains and losses for the Plan. The allocation to individual plan members and their matching employer accounts is described in Note 2d.

	2018	2017
Net realized gains on the sale of investments	\$ 4,794	\$ 2,677
Net unrealized investment (loss) gain	(6,637)	2,184
Total current period change in fair value of investments	\$ (1,843)	\$ 4,861

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

8. Administration Services

The Administration charge to the Plan represents the cost to operate the Plan administratively. The University, as employer and the Plan sponsor covers some of the costs of operating the Plan, either directly or indirectly such as staff dedicated to the pension office, office space, office equipment and supplies and computer systems support.

9. Administrative Expenses (\$ thousands)

The following table represents the administrative expenses for the Plan. The allocation to individual plan members' accounts is described in Note 2d.

	<u>2018</u>	<u>2017</u>
Investment manager fees	\$ 259	\$ 266
Investment custody services	10	17
University of Manitoba administration services (Note 8)	54	70
Consulting actuarial services	28	11
Audit services	12	12
Member communication	5	4
Other expenses	<u>18</u>	<u>18</u>
Total expenses	<u>\$ 386</u>	<u>\$ 398</u>

10. Capital Disclosures

In the context of the Plan, capital is defined as the net assets available for pension benefits. Externally imposed capital requirements relate to the administration of the Plan in accordance with the terms of the Plan, The Pension Benefits Act of the Province of Manitoba and the provisions of the Income Tax Act (Canada). The Pension Committee, as the Administrator of the Plan, has developed appropriate risk management strategies, as described in Note 4, to preserve the net assets available for pension benefits. The Plan has complied with externally imposed capital requirements during the year.

**THE UNIVERSITY OF MANITOBA GFT
PENSION PLAN (1986)**

**Notes to the Financial Statements
December 31, 2018**

11. Investments Greater Than 1%

Based on the legislative requirements of Section 3.29 of the Pension Benefits Regulations, the following is a list of individual investments held by the Plan where the fair value is greater than one percent of the fair value of all the investments of the Plan:

<u>Pooled Funds</u>	<u>Fair Value (\$ thousands)</u>
Greystone Balanced Plus Fund	41,412
Greystone Balanced Fund	13,775

AGENDA ITEM: U of M Pension Plan (1993) Audited Statements for the year ended
December 31, 2018

RECOMMENDED RESOLUTION:

None. For information only.

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

The University of Manitoba Pension Plan (1993) provides eligible employees of the University of Manitoba with retirement, termination, and death benefits. The Plan is registered with both the Manitoba Pension Commission and the Canada Revenue Agency (CRA). As registered arrangements, the Plan must comply with the strict provisions outlined in both the Manitoba Pension Benefits Act (PBA) and the Canadian Income Tax Act.

The Pension Committee of the University of Manitoba Pension Plan (1993) acts as both Pension Committee and as “Administrator”, as described in the PBA and regulations. The Committee has the rights, powers, and obligations necessary for the Committee to administer the Plan in accordance with the Act and regulations.

The overall purpose of the Committee includes:

- monitoring the operation of the Plan;
- taking responsibility for the Plan’s administration;
- ensuring that the Plan is in compliance with all applicable legislation; and
- acting in an advisory capacity to the Board, making recommendations as required.

The Pension Committee's responsibilities as administrator include the integrity, objectivity and preparation of the accompanying financial statements and notes. The financial statements are prepared by management in accordance with Canadian accounting standards for pension plans.

KPMG has examined the financial statements and expressed an unqualified audit opinion. The financial statements have been approved by the Pension Committee and are being provided for information to the Board of Governors.

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

Oversight of the University’s Pension plans supports Building Community that creates an outstanding learning and working environment.



Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	FAHR _____	September 3, 2019 _____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Submission prepared by: Shelley Foster

Submission approved by: Jeff Leclerc, University Secretary

Attachments

University of Manitoba Pension Plan (1993) Audited Statements for the year ended
December 31, 2018

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

**Independent Auditors' Report and Financial Statements
for the year ended December 31, 2018**



UNIVERSITY
OF MANITOBA

Pension Office

180 Extended Education Complex
Winnipeg, Manitoba
Canada R3T 2N2
Phone: 204-474-6661
Fax: 204-474-7640

THE UNIVERSITY OF MANITOBA PENSION PLAN (1993)

RESPONSIBILITY FOR FINANCIAL REPORTING

The Pension Committee of The University of Manitoba Pension Plan (1993) (Pension Committee) administers the Pension Plan in accordance with The Pension Benefits Act of the Province of Manitoba and with provision of the Income Tax Act (Canada). The Pension Committee's responsibilities as administrator, includes the integrity, objectivity and preparation of the accompanying financial statements and notes. The financial statements are prepared by management in accordance with Canadian accounting standards for pension plans. The financial statements have been approved by the Pension Committee.

The Pension Committee and management maintain a system of internal control to provide a reasonable assurance that the books and records from which the financial statements are derived, are complete, accurate and properly reflect all transactions. Independent custodians prepare records of all investment transactions.

KPMG has examined the financial statements and expressed a written opinion.

Cheryl A. Britton
Financial and Investment Analyst

Bernard Gold
Director, Pension Office

May 14, 2019
Winnipeg, Manitoba



KPMG LLP
One Lombard Place
Suite 2000
Winnipeg MB
R3B 0X3

Telephone (204) 957-1770
Fax (204) 957-0808
www.kpmg.ca

INDEPENDENT AUDITORS' REPORT

To the Legislative Assembly of Manitoba
To the Pension Committee of The University of Manitoba Pension Plan (1993)
To the Board of Governors of The University of Manitoba

Opinion

We have audited the financial statements of The University of Manitoba Pension Plan (1993) (the Entity), which comprise the statement of financial position as at December 31, 2018, the statements of changes in net assets available for benefits and changes in pension obligations for the year then ended, and notes to the financial statements, including a summary of significant accounting policies (hereinafter referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Entity as at December 31, 2018, and its changes in net assets available for benefits and its changes in pension obligations for the year then ended in accordance with Canadian accounting standards for pension plans.

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the "**Auditors' Responsibilities for the Audit of the Financial Statements**" section of our auditors' report.

We are independent of the Entity in accordance with the ethical requirements that relevant to our audit of the financial statements in Canada and we have fulfilled our other ethical responsibilities in accordance with these requirements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian accounting standards for pension plans, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.



In preparing the financial statements, management is responsible for assessing the Entity's ability to continue as a going concern, disclosing as applicable, matters related to going concern and using the going concern basis of accounting unless management, either intends to liquidate the Entity or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Entity's financial reporting process.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion.

Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists.

Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit.

We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion.

The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Entity's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Entity to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.



- Communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

KPMG LLP

Chartered Professional Accountants

Winnipeg, Canada

May 14, 2019

The University of Manitoba Pension Plan (1993)

Statement of Financial Position As at December 31, 2018 (\$ thousands)

	2018	2017
ASSETS		
Investments (Note 3)	\$ 1,181,518	\$ 1,229,849
Contribution Receivable		
Member	-	5
Employer	-	346
Accrued Income Receivable	1,742	1,556
Receivable due to Merger	-	2,371
TOTAL ASSETS	1,183,260	1,234,127
LIABILITIES		
Accounts Payable	2,161	1,737
TOTAL LIABILITIES	2,161	1,737
NET ASSETS AVAILABLE FOR BENEFITS	1,181,099	1,232,390
PENSION OBLIGATIONS (Note 2e)	1,200,351	1,225,519
PLAN SURPLUS (DEFICIT)	\$ (19,252)	\$ 6,871

The University of Manitoba Pension Plan (1993)

Statement of Changes in Net Assets Available for Benefits

For the year ended December 31, 2018

(\$ thousands)

	<u>Member Regular</u>	<u>Member Voluntary</u>	<u>Employer Regular</u>	<u>Pension Guarantee Excess Funding</u>	<u>Pensioner Account</u>	<u>Pensioner Solvency Account</u>	<u>Total 2018</u>	<u>Total 2017</u>
INCREASE IN ASSETS								
Contributions	\$ 26,635	\$ -	\$ 26,635	\$ -	\$ -	\$ -	\$ 53,270	\$ 52,576
Transfers	-	1,146	-	-	-	-	1,146	2,761
Special payment for unfunded liability (Note 11)	-	-	-	-	-	-	-	4,014
Current service funding (Note 11)	-	-	-	3,091	-	-	3,091	4,391
Investment income (Note 7)	8,393	163	8,399	694	8,048	1,610	27,307	27,156
Current period change in fair value of investments (Note 8)	-	-	-	-	-	-	-	89,042
	<u>35,028</u>	<u>1,309</u>	<u>35,034</u>	<u>3,785</u>	<u>8,048</u>	<u>1,610</u>	<u>84,814</u>	<u>179,940</u>
DECREASE IN ASSETS								
Current period change in fair value of investments (Note 8)	9,161	178	9,168	758	8,785	1,757	29,807	-
Retirement benefits	20,842	26	20,842	6,755	35,392	-	83,857	85,474
Refunds and transfers	6,071	68	6,071	158	-	-	12,368	9,911
Benefits on death	1,055	-	1,055	298	4	-	2,412	1,276
Administrative expenses (Note 10)	2,355	46	2,355	195	2,258	452	7,661	7,391
	<u>39,484</u>	<u>318</u>	<u>39,491</u>	<u>8,164</u>	<u>46,439</u>	<u>2,209</u>	<u>136,105</u>	<u>104,052</u>
INTRA PLAN TRANSFERS								
To Pensioner Account (Note 6)	(11,296)	(120)	(11,248)	(4,743)	27,407	-	-	-
NET INCREASE/(DECREASE) FOR THE YEAR	(15,752)	871	(15,705)	(9,122)	(10,984)	(599)	(51,291)	75,888
NET ASSETS AVAILABLE FOR BENEFITS AT THE BEGINNING OF THE YEAR	<u>383,905</u>	<u>5,936</u>	<u>383,864</u>	<u>62,079</u>	<u>335,874</u>	<u>60,732</u>	<u>1,232,390</u>	<u>1,156,502</u>
NET ASSETS AVAILABLE FOR BENEFITS AT THE END OF THE YEAR	<u>\$ 368,153</u>	<u>\$ 6,807</u>	<u>\$ 368,159</u>	<u>\$ 52,957</u>	<u>\$ 324,890</u>	<u>\$ 60,133</u>	<u>\$ 1,181,099</u>	<u>\$ 1,232,390</u>

The University of Manitoba Pension Plan (1993)

Statement of Changes in Pension Obligations

For the year ended December 31, 2018

(\$ thousands)

	<u>2018</u>	<u>2017</u>
Actuarial present value of pension obligations (accrued pension benefits) at beginning of year	\$ 1,225,519	\$ 1,189,088
Interest accrued on benefits	14,349	91,269
Benefits accrued	57,420	57,346
Benefits paid	(98,637)	(96,661)
Experience losses (gains)	14,824	(7,508)
Assumption changes	(13,124)	(8,384)
Plan Merger	-	369
Actuarial present value of pension obligations (accrued pension benefits) at end of year	<u><u>\$ 1,200,351</u></u>	<u><u>\$ 1,225,519</u></u>

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

1. Description of Plan

General

The University of Manitoba Pension Plan (1993) (the “Plan”) is a trustee plan administered in accordance with The Pension Benefits Act of the Province of Manitoba and with provisions of The Income Tax Act (Canada).

The Pension Committee of the Plan is the Administrator. The University of Manitoba (the “University”) is the Plan sponsor. CIBC Mellon Trust Company has been appointed trustee and custodian in accordance with the terms of a Trust Agreement between the Pension Committee and CIBC Mellon Trust Company.

The following description of the Plan is a summary only. For more complete information, reference should be made to the plan document.

Eligibility

Staff members of the University other than those eligible for membership in The University of Manitoba GFT Pension Plan (1986) are eligible for membership in the Plan.

Effective January 1, 2017 the University of Manitoba Pension Plan (1970) (the “1970 Plan”) was merged with the Plan. The terminated members from the 1970 Plan whose accounts were not settled are now included in the Plan as inactive prior Plan members.

Funding

The Plan members contribute at the rate of 9.0% of salary less an adjustment for the Canada Pension Plan. The University matches these contributions.

If an actuarial valuation reveals a deficiency in the fund, The Pension Benefits Act of the Province of Manitoba requires that the University make additional contributions to fund the deficiency. These special payments are highlighted in Note 11.

Retirement Benefits

At retirement, the Plan provides that the member's Contribution Account and University Contribution Account are applied to establish retirement income known as a plan annuity. This annuity is determined using a pension factor

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

established by the Actuary and is paid from the Plan. The Plan provides that if the defined benefit pension based on a formula involving the member's years of service and highest average earnings exceeds the plan annuity, the difference (known as a supplementary pension) is paid from the Plan. The Plan provides for retirement benefits paid from the Plan to be increased using an excess interest approach, provided such increase can be afforded by the Plan as confirmed by the Actuary.

Survivor Benefits

In the event of the death of a member who is receiving a plan annuity, the amounts payable, if any, shall be paid in accordance with the form of the retirement benefits selected. If the recipient of the death benefit is not the eligible spouse and the benefit consists of the remaining payments under a guarantee period, the recipient may elect either to receive the remaining payments on a monthly basis or to receive an actuarially equivalent lump sum benefit.

Termination Benefits

The Plan provides for full and immediate vesting on termination of employment subject to the provisions of The Pension Benefits Act of the Province of Manitoba.

Pre-retirement Death Benefits

The benefit on death prior to retirement is the accumulated values of a member's Contribution Account and the member's University Contribution Account, including any supplementary pension for members who are eligible to retire.

2. Significant Accounting Policies

a) Basis of Accounting

The financial statements have been prepared in accordance with Canadian accounting standards for pension plans. The Plan has adopted Part II (Private Enterprises) accounting standards for all accounting policies that do not relate to the valuation of the investment portfolio or pension obligations.

These financial statements do not reflect an individual plan member's benefit security.

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

b) Financial Instruments

The financial instruments of the Plan consist of investments, accrued income and accounts payable which include benefits and contribution payable.

The Plan recognizes and derecognizes all financial assets and liabilities in accordance with *Financial Instruments*, Section 3856, of Part II of the CPA Canada Handbook.

All investment assets and liabilities are measured at fair value based on International Financial Reporting Standards (IFRS) 13.

Initially, all financial assets and liabilities are recorded at fair value on the Statement of Financial Position. Subsequent measurement is determined by the classification of each financial asset and liability. Investment assets and liabilities are measured at fair value with the change in fair value recognized in the Statement of Changes in Net Assets Available for Benefits. Financial instruments classified as accrued income receivable, contribution receivable, receivable due to merger and accounts payable are measured at amortized cost.

Fair values of investments are determined as follows:

Fixed Income

- (i) Short-term investments are recorded at cost which approximates fair value.
- (ii) The pooled mortgage funds are valued by the external fund managers.
- (iii) Bonds and debentures are valued at market by an independent securities valuation company.

Equity

- (i) Publicly traded securities are recorded at year end market prices.
- (ii) The pooled equity funds are valued by the external fund managers.

Real Estate

- (i) The pooled real estate funds are valued by the external fund managers.

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

c) Foreign Currency Translation

The fair value of investments denominated in foreign currencies is translated into Canadian dollars at the exchange rate in effect at year end and the resulting change is included in the change in fair value of investments. Revenue and expense transactions are translated at the exchange rates prevailing on the dates of the transactions and are included in investment income or the change in fair value of investments (realized gains or losses) or administrative expenses at the translated amounts.

d) Allocation of Income/Loss to Individual Plan Members

Investment income/loss is determined and allocated to individual member accounts monthly. Investment income/loss for a month consists of dividend and interest income, realized gains or losses on the sale of investments and unrealized investment gains or losses. Expenses as defined in the service agreement are deducted before the allocation is made. Net investment income/loss is distributed pro-rata to all member accounts based on the member's account balance at the beginning of the month.

e) Pension Obligations

The Plan is a hybrid pension plan that includes defined benefit and defined contribution components.

The pension obligations of a defined benefit pension plan are the actuarial present value of accrued pension benefits determined by applying best estimate assumptions and the projected benefit method prorated on service.

f) Use of Estimates

In preparing these financial statements, estimates and assumptions have been used that primarily affect the reported values of certain assets and liabilities at the date of the financial statements and the reported amounts of changes in net assets available for benefits during the period. Actual results could differ from those estimates.

**THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)**

**Notes to the Financial Statements
December 31, 2018**

3. Investments

As at December 31, 2018 (\$ thousands)			
	Cost	Fair Value	% of Asset Mix at Fair Value
Cash and short-term investments	\$ 26,301	\$ 26,511	2.2%
Bonds and debentures	167,916	167,143	14.2%
Mortgages - pooled	177,914	174,780	14.8%
Real estate - pooled	106,255	131,855	11.2%
Canadian equities	188,187	211,831	17.9%
Foreign equities	447,207	469,398	39.7%
	<u>\$1,113,780</u>	<u>\$1,181,518</u>	<u>100.0%</u>

As at December 31, 2017 (\$ thousands)			
	Cost	Fair Value	% of Asset Mix at Fair Value
Cash and short-term investments	\$ 26,341	\$ 26,243	2.1%
Bonds and debentures	145,380	145,843	11.9%
Mortgages - pooled	171,857	167,969	13.6%
Real estate - pooled	108,722	125,100	10.2%
Canadian equities	193,273	257,194	20.9%
Foreign equities	448,467	507,500	41.3%
	<u>\$1,094,040</u>	<u>\$1,229,849</u>	<u>100.0%</u>

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

4. Risk Management

Fair values of investments are exposed to market risk, credit risk and liquidity risk.

a) Market risk

Market risk consists of other price risk, interest rate risk and foreign currency risk.

i) Other price risk

Other price risk is the risk that the value of an investment will fluctuate as a result of changes in market conditions, whether those changes are caused by factors specific to the individual investment, or factors affecting all securities traded in the market.

To mitigate the impact of other price risk, the Plan invests in a diversified portfolio of investments based on an approved Statement of Investment Policies and Procedures. Asset class diversification reduces risk. Within each asset class, risk is managed by quality constraints on investments, restrictions on investments in private placements and investment style diversification. The Plan's target asset allocation reflects a risk/return trade-off which was assessed by the Pension Committee on the basis of long-term prospects in the capital market taking into account the Plan's benefits, liabilities and financial situation with consideration given to all factors that may affect funding, solvency and the ability of the Plan to meet its financial obligations.

The Plan's target asset allocation based on fair value is the following:

Fixed Income	30.0%	
Cash Account		1.0%
Universe Bonds		14.5%
Mortgages		14.5%
Equities	60.0%	
Canadian		20.0%
US		25.0%
EAFE		15.0%
Alternatives	10.0%	
Real Estate		10.0%

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

ii) Interest rate risk

Interest rate risk refers to the effect on the market value of assets and liabilities due to fluctuations in interest rates. The value of the Plan's bond portfolio assets are directly affected by changes in nominal and real interest rates. The impact of a change in the interest rates by 100 basis points, assuming all other variables held constant, would result in the bond portfolio market value changing by approximately \$13.4 million (2017 - \$11.3 million).

The established investment policies for the bond mandates have guidelines on concentration, duration, and distribution which are designed to partially mitigate the risks of interest rate volatility.

The impact of change in the interest rates by 100 basis points, assuming all other variables held constant, would result in the combined pooled mortgage and real estate portfolio's net assets changing by approximately \$5.9 million (2017 - \$5.3 million).

Pension liabilities are exposed to fluctuations in long-term interest rates as well as expectations in salary escalation.

iii) Foreign currency risk

Foreign currency risk is the risk that the value of an investment will fluctuate due to changes in foreign exchange rates. Forward foreign exchange contracts are used to manage currency exposure in connection with securities purchased in foreign currency. Forward contracts are contractual agreements to exchange specified securities at an agreed upon exchange rate and at a settlement date in the future.

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

The Plan's exposure in cash and investments to foreign currencies reported in Canadian dollars is shown below:

As at December 31, 2018	Currency Exposure (\$ thousands)	Percentage
Canadian	\$ 711,664	60.2%
US dollar	305,284	25.8%
Euro	51,416	4.4%
British Pound Sterling	38,051	3.2%
Japanese Yen	29,715	2.5%
Swiss Franc	16,636	1.4%
Hong Kong dollar	8,088	0.7%
Indian Rupee	3,641	0.3%
Other currencies	17,023	1.5%
Total	\$1,181,518	100.00%

As at December 31, 2017	Currency Exposure (\$ thousands)	Percentage
Canadian	\$ 718,180	58.4%
US dollar	318,903	25.9%
Euro	56,683	4.6%
British Pound Sterling	40,740	3.3%
Japanese Yen	33,861	2.8%
Swiss Franc	16,780	1.4%
Hong Kong dollar	12,163	1.0%
Indian Rupee	6,863	0.5%
South Korean Won	6,025	0.5%
Singapore dollar	5,064	0.4%
Brazilian Real	3,403	0.3%
Other currencies	11,184	0.9%
Total	\$1,229,849	100.00%

A 10 percent increase or decrease in exchange rates, with all other variables held constant, would result in a change in unrealized gains (losses) of approximately \$47.0 million (2017 - \$41.4 million).

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

b) Credit risk

Credit risk arises from the potential for an investee to fail or for a counterparty to default on its contractual obligations to the Plan. Credit risk is limited by dealing with counterparties that are considered to be of high quality relative to their obligations, by obtaining collateral where appropriate, through investment diversification and by setting and monitoring compliance with portfolio guidelines as set in the Statement of Investment Policies and Procedures.

At December 31, 2018, the Plan's maximum credit risk exposure relates to bonds and debentures, short-term investments and cash totaling \$193.7 million (2017 - \$172.1 million), contribution receivable of nil (2017 receivable - \$350,781), accrued income receivable of \$1.7 million (2017 - \$1.6 million) and the receivable due to merger of nil (2017- \$2.4 million) totaling \$195.4 million (2017 - \$176.4 million).

The Statement of Investment Policies and Procedures establishes limits for ownership of any investment and acceptable credit ratings. In the case of bonds, no more than 20% of the bond securities shall have a credit rating of BBB or lower by DBRS or the equivalent rating by another recognized agency.

The breakdown of the bond investment portfolio by credit rating from various rating agencies is presented below:

Credit Rating	December 31, 2018		December 31, 2017	
	Fair Value		Fair Value	
	(\$ thousands)		(\$ thousands)	
AAA	\$ 56,996	34.1%	\$ 53,233	36.5%
AA	63,180	37.8%	36,752	25.2%
A	23,066	13.8%	34,565	23.7%
BBB and lower	23,901	14.3%	21,293	14.6%
	\$ 167,143	100.0%	\$ 145,843	100.0%

The pooled funds are exposed to credit risk when they hold mortgages, debt securities and sales agreements. The companies of the pooled funds monitor this credit risk.

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

c) Liquidity risk

Liquidity risk is the risk of being unable to generate sufficient cash, or its equivalent, in a timely and cost-effective manner to meet contractual obligations as they come due. The Plan is exposed to liquidity risk through its responsibility to pay benefits on a timely basis and fund their outstanding investment contractual obligations. The established investment policies mitigate liquidity risk by holding various income producing assets and limiting exposure to non-liquid asset classes.

The term to maturity and the related market values of bond investments are as follows:

Term to Maturity (\$ thousands)	December 31, 2018	December 31, 2017
Less than one year	\$ 6,937	\$ 1,167
One to five years	53,335	49,149
Over five years	106,871	95,527
Total fixed income investments	\$ 167,143	\$ 145,843

5. Valuation of Financial Instruments at Fair Value

The Plan measures the fair value of investments using the following fair value hierarchy that reflects the significant inputs used in making the measurements:

- a) quoted prices (unadjusted) in active markets for identical assets or liabilities (Level 1);
- b) inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly (i.e., as prices) or indirectly (i.e., derived from prices) (Level 2); and
- c) inputs for the asset or liability that are not based on observable market data (unobservable inputs) (Level 3).

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

The tables below analyze investments, measured at fair value at year end, by the level in the fair value hierarchy into which the fair value measurement is categorized:

December 31, 2018 (\$ thousands)	Level 1	Level 2	Total
Cash	\$ 5,234	\$ -	\$ 5,234
Short-term investments	-	21,277	21,277
Bonds and debentures	-	167,143	167,143
Mortgages - pooled	-	174,780	174,780
Real estate - pooled	-	131,855	131,855
Canadian equities	211,831	-	211,831
Foreign equities	173,681	295,717	469,398
	<u>\$ 390,746</u>	<u>\$ 790,772</u>	<u>\$ 1,181,518</u>

December 31, 2017 (\$ thousands)	Level 1	Level 2	Total
Cash	\$ 3,292	\$ -	\$ 3,292
Short-term investments	-	22,951	22,951
Bonds and debentures	-	145,843	145,843
Mortgages - pooled	-	167,969	167,969
Real estate - pooled	-	125,100	125,100
Canadian equities	257,194	-	257,194
Foreign equities	180,716	326,784	507,500
	<u>\$ 441,202</u>	<u>\$ 788,647</u>	<u>\$ 1,229,849</u>

For the years ended December 31, 2018 and 2017, there were no transfers between level 1 and level 2.

6. Pensioner Account

At retirement, the members of this Plan have the option of leaving their funds within the Plan. If the member selects this option, their total account is transferred from their member and University accounts to the Pensioner Account.

Effective December 1, 2008 the mortality basis changed significantly. This change was based on the recommendations from a mortality study based on the Plan's mortality experience. As a result an amendment was made subdividing the Pensioner Account

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

allocations between Plan Pensions for pre-December 1, 2008 and post-November 30, 2008 retirements.

7. Investment Income (\$ thousands)

The following table represents the investment income for the Plan. The allocation to individual plan members is described in Note 2d.

	2018	2017
Interest	\$ 11,262	\$ 10,632
Dividend	16,045	16,524
Total Investment Income	\$ 27,307	\$ 27,156

8. Current Period Change in Fair Value of Investments (\$ thousands)

The following table represents the realized and unrealized gains and losses for the Plan. The allocation to individual plan members is described in Note 2d.

	2018	2017
Net realized gains on the sale of investments	\$ 38,264	\$ 36,815
Net unrealized investment (losses) gains	(68,071)	52,227
Total Current Period Change in Fair Value of Investments	\$ (29,807)	\$ 89,042

9. Administration Services

The Administration charge to the Plan represents the cost to operate the Plan administratively. The University, as employer and the Plan sponsor, covers some of the costs of operating the Plan, either directly or indirectly such as staff dedicated to the pension office, office space, office equipment and supplies and computer systems support.

10. Administrative Expenses (\$ thousands)

The following table represents the administrative expenses for the Plan. The allocation to individual plan members is described in Note 2d.

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

	2018	2017
Investment manager	\$ 5,958	\$ 5,688
Investment custody services	216	316
University of Manitoba administration services	861	783
Actuarial services	179	177
Consulting services	156	155
Transaction costs	138	142
Member communication	47	35
Audit services	24	23
Committee education	10	12
Legal services	3	2
Other expenses	69	58
	<hr/>	<hr/>
Total expenses	\$ 7,661	\$ 7,391

11. Employer Special Payments

In accordance with the Plan document, the University is responsible to fund the Plan by matching members' contributions and to make any additional special payments required under The Pension Benefits Act. Based on the results of the Plan's Valuation report, as at December 31, 2017, the University was required to fund current service cost (cost of benefits that arise in the period to the next valuation date) of \$3.1 million (2017 - \$4.4 million). As at December 31, 2017, the Plan had a going concern surplus therefore no going concern deficit payments were required (2017 - \$4.0 million).

12. Capital Disclosures

In the context of the Plan, capital is defined as the net assets available for pension benefits. Externally imposed capital requirements relate to the administration of the Plan in accordance with the terms of the Plan, The Pension Benefits Act of the Province of Manitoba and the provisions of The Income Tax Act (Canada). The Pension Committee, as the Administrator of the Plan, have developed appropriate risk management strategies, as described in Note 4, to preserve the net assets available for pension benefits. The Plan has complied with externally imposed capital requirements during the year.

13. Actuarial Valuation

An extrapolation to December 31, 2018 of the 2017 actuarial valuation for financial reporting purposes was completed by Eckler Ltd., a firm of consulting actuaries.

In this extrapolation, the accrued pension obligation is the sum of the defined contribution account balances at fair value and the actuarial present value of defined

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

benefits (pensions in pay and future supplementary pensions). The actuarial present value of defined benefits is based on a number of assumptions about future events including interest rates, rate of salary increases, mortality, retirement rates and termination rates. The major assumptions used in determining the actuarial present value of pension benefits for the defined benefit component of the Plan are:

	2018	2017
	(rates are per year)	(rates are per year)
Net investment earnings ¹	6.35%	6.25%
Discount rate ²	5.50%	5.50%
Future Base Rate ³	4.00%	3.75%
Future commuted values ⁴	4.40%	4.15%
Salary increases	0% in 2018, 0.75% in 2019, 1% in 2020, 1.5% in 2021 and 2.5% thereafter	0% in 2018, 0.75% in 2019, 1% in 2020, 1.5% in 2021 and 2.5% thereafter
Increases for “salary- related” amounts ⁵	2.75%	2.75%
Merit Increases ⁶	Age-related scale for academics, 0.5% to age 65, 0% thereafter for support	Age-related scale for academics, 0.5% to age 65, 0% thereafter for support
Mortality ⁷	CPM2014Publ with age- related adjustments, projected generationally from 2014 using Scale CPM-B	CPM2014Publ with age- related adjustments, projected generationally from 2014 using Scale CPM-B

1. Defined contribution account balances plus future contributions to those accounts are assumed to increase at this net rate of return on investments.
2. Defined benefits are discounted at this rate, except that benefits for pensioners who retired on or after December 1, 2008 are discounted at the lesser of the discount rate and the Base Rate in effect at retirement.
3. The future Base Rate together with the mortality table is used to determine the plan annuity provided by the defined contribution account balances for future retirements.

THE UNIVERSITY OF MANITOBA
PENSION PLAN (1993)

Notes to the Financial Statements
December 31, 2018

4. The commuted value rate is used to calculate the lump sum payable upon a member electing to transfer their benefit out of the plan.
5. Other “salary-related” amounts include yearly maximum pensionable earnings (YMPE), maximum contributions and maximum benefits.
6. In addition to salary increases, salaries for academic and support members are assumed to increase for reasons of promotion and merit at rates that vary by age.
7. The mortality assumption reflects the results of a mortality study undertaken in 2015 based on the Plan’s experience for the years 2000-2014.

An actuarial valuation, for funding purposes, effective December 31, 2017, was completed in 2018 by Eckler Ltd. and filed with regulators. Pension legislation requires that a funding valuation effective December 31, 2020 be filed in 2021.

The merger of the 1970 and 1993 plans was approved in 2017. The assets and liabilities of the now merged plans are reflected in the assets and liabilities of the 1993 Plan.

14. Investments Greater Than 1%

Based on the legislative requirements of Section 3.29 of the Pension Benefits Regulations, the following is a list of individual investments held by the Plan where the fair value is greater than one percent of the fair value of all the investments of the Plan:

<u>Investment Description</u>	<u>Fair Value</u> <u>(\$ thousands)</u>
Bank of Nova Scotia	15,341
Royal Bank of Canada	15,211
Toronto Dominion Bank	13,711
 <u>Pooled Fund</u>	
Greystone Mortgage Fund	119,641
JP Morgan 130/30 US Equity Fund	118,284
Mawer International Equity Fund	95,303
Burgundy International Equity Fund	82,129
Greystone Real Estate Fund	67,124
GWL Real Estate Investment Fund #1	64,731
GWL Mortgage Investment Fund #1	55,139

For Information Only:
Approved by Executive Cttee August 27, 2019



Board of Governors Submission

AGENDA ITEM: Report of the Senate Committee on Awards [dated June 11, 2019]

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve five new offers, two amended offers, and the withdrawal of one offer, as set out in Appendix A of the Report of the Senate Committee on Awards [dated June 11, 2019].

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

At its meeting on June 11, 2019, the Senate Committee on Awards approved five new offers, two amended offers, and the withdrawal of one offer, as set out in Appendix A of the Report of the Senate Committee on Awards [dated June 11, 2019].

RESOURCE REQUIREMENTS:

The awards will be funded from the sources identified in the Report.

IMPLICATIONS:

N/A

ALTERNATIVES:

N/A

CONSULTATION:

These award decisions are consistent with the policy on *Student Awards*. They will be reported to Senate for information on October 2, 2019.



Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Senate Committee on Awards</u>	<u>June 11, 2019</u>
<input type="checkbox"/>	<input type="checkbox"/>	<u>Senate Executive</u>	<u>September 18, 2019</u>
<input type="checkbox"/>	<input type="checkbox"/>	<u>Senate</u>	<u>October 2, 2019</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Board Executive</u>	<u>August 27, 2019</u>
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Submission prepared by: Senate

Submission approved by: University Secretary

Attachments

- Report of the Senate Committee on Awards [dated June 11, 2019]



AGENDA ITEM: *Amendments to the Student Organization Fees Policy*

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve that the following changes be made to the Student Organization Fees Policy effective January 1, 2020:

- 1. Part 2.1 Clause (g)(i) be changed to read “Students in off-campus programs, not including students in co-operative or outbound exchange programs” and*
- 2. Appendix 1 be changed to have an additional list item added, reading “Community Health Students’ Association”.*

Action Requested: Approval Discussion/Advice Information

CONTEXT AND BACKGROUND:

The item accomplishes a Student Organization Fee priority for the University of Manitoba Students’ Union and clarifies a previously approved change within the Student Organization Fees Policy:

1. Modernizes the criteria surrounding when a student would be excluded from union representation

As there is no definition of an “Off Campus student,” the Registrar’s Office has applied the interpretation that an Off Campus student is any student who is not in on-campus courses in a given term. This has historically meant that students on cooperative education workplace terms are excluded from UMSU membership, and as of September 2018, this interpretation also extended the exclusion from membership to students on exchange programs. In a modern post-secondary education landscape, cooperative education programs and international exchange programs are often an expectation of students in undergraduate programs and are well-integrated into the student’s programs.

Students who participate in cooperative education and exchange programs are still often actively involved in their student organization and students’ union, and still expect to be able to access their union services. In response, UMSU works to modernize its services, moving information online, switching to online voting in election and referenda, introducing telephone and internet counselling to its health plan, among other initiatives. Further, UMSU advocates for increased access to cooperative education and exchange programs.

On March 28, 2019, the UMSU Board of Directors (Council) voted to include undergraduate students on co-op education terms and outbound exchange programs in UMSU’s membership. The proposed policy change will clarify within the policy that students in cooperative and exchange programs are not excluded from UMSU membership.

2. Addresses issues of representation for students in programs affected by restructuring

On June 25, 2019, the Board of Governors approved a new student organization fee for students in Interdisciplinary Health programs in the Rady Faculty of Health Science, who are part of the Community Health Students' Association. The second proposed change to the Student Organization Fees Policy is to include the Community Health Students' Association in the listing of student organizations within the Policy.

RESOURCE REQUIREMENTS:

The Office of the University Registrar will be required to implement the changes on a system-level. During development of these changes, UMSU collaborated with this office to ensure the changes could be accommodated within limitations of University systems. The Registrar's Office has already developed the necessary system changes and is waiting on approval to implement.

UMSU will be required to complete its obligations under the policy with respect to the new Community Health Students Association and is prepared to do this. Resource requirements are low as the framework already exists for other Student Organizations.

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

Changes to membership criteria are largely in response to a shifting change at the University toward experiential education, including co-op education terms and international exchanges.

IMPLICATIONS:

Undergraduate students would no longer have an interruption in students' union membership during their coop or exchange courses.

Certain undergraduate students on co-op might now qualify for automatic enrolment in the U-Pass program as UMSU members (if their co-op program is considered 9 or more credit hours), but they would also qualify for voluntary opt out as co-op students.

Outbound undergraduate exchange students would now qualify for automatic enrolment in the Health & Dental Plan as UMSU members as they did prior. This is important as this coverage includes comprehensive travel insurance.

ALTERNATIVES:

Other alternatives were not considered beyond the exploratory phase as these changes are in response to changing external environments, rather than the result of changing priorities. The primary alternative considered was status quo, which was determined through the consultation below to be a less preferred option.

CONSULTATION:

- *Direct consultation by UMSU President including engagement with student leaders and consideration of feedback received by UMSU*
- *All changes endorsed by the UMSU Executive Committee (2018/2019)*

- *All changes considered and approved by the UMSU Board of Directors on March 28, 2019.*



UNIVERSITY
OF MANITOBA

Board of Governors Submission

Routing to the Board of Governors:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	UMSU Council	March 28, 2019
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	FAHR	September 3, 2019
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Submission prepared by: _____

Submission approved by: *This must be the President, a Vice-President, or the University Secretary.*

Attachments



UMSU Board of Directors Meeting

March 28, 2019, 6:30 p.m.

EITC-E2, Room 160

Attendance

Michael Catanese, UMSU Board Chairperson

Jakob Sanderson, UMSU President

Sarah Bonner-Proulx, UMSU VP Advocacy

Owen Black, UMSU VP External

Carly Mastromonaco, UMSU VP Student Services

Mbuli Matshe, UMSU VP Finance & Operations

Carly Frey, Recording Secretary

Kyra Fanning, UMSU VP Community Engagement Elect

Sharlene MacCoy, Mature Students' Representative

Stephen Gatphoh, Arthur Mauro Students' Association

Cali Sproule, Arts Student Body Council

Brandon Barratt, Arts Student Body Council

Alex Harris, Commerce Students' Association

Joseph Darcel, Director of Bannatyne Operations

Sabrina Ferraz, Education Students' Council

Shawn Williment, Faculty of Agriculture Students' Organization

Cole Kubay, Manitoba Medical Students' Association

Sheryl Demetriooff, Nursing Students' Association Council

Jimmy Le, Pharmacy Students' Association

Amanda Slagerman, Physical Education Recreational Kinesiology Student Council

Anika Khan, Residence Students' Association

Susanne Schwickart, St. John's College Students' Association

Chicago Auger, Students of Fine Art

Chelsea Howgate, Society of Music Students' Association

Annie MacRae, St. Paul's College Students' Association

Paul Chorney, St. Paul's College Students' Association

Vienna Peters, Science Students' Association

Jordan Beck, Science Students' Association

Jazzmin Cameron, Science Students' Association

Deborah-Lyn Bennet, Social Work Students' Association

Tyrese Gibbs (proxy), University of Manitoba Engineering Society

Tyler Gallant, University of Manitoba Engineering Society

Oluwabusayo Adepoju, University 1 Student Council

Skye Kushner, University of Manitoba Graduate Students' Association

Thomas Blumer, UMSU General Manager

Darius Hunter, Chief Returning Officer

Ty Brass, The Manitoban

Arnav Sud, Student-at-large
Simon Garfinkel, Judicial Board

Business

1) **Call to Order**

UMSU Chairperson Michael Catanese calls the meeting to order at 6:34 p.m. with the reading of a statement of acknowledgement that the meeting is taking place on Treaty 1 Territory.

2) **Approval of Agenda**

MOTION – BE IT RESOLVED THAT the agenda be approved as presented. Moved by *Social Work Students' Association*, seconded by *Jakob Sanderson*. All in favour – motion is carried.

3) **Approval of Previous Meeting Minutes**

a. MOTION – BE IT RESOLVED THAT the draft minutes from the Board of Directors meeting on March 14, 2019 are approved as recorded.

Moved by *Social Work Students' Association*, seconded by *Mature Students' Representative*. All in favour – motion is carried.

4) **Presentations**

a. Chief Returning Officer (CRO)

Chief Returning Officer, Darius Hunter presents his CRO Report which is attached to the minutes for reference.

b. 2019/2020 Budget

Vice-President Finance & Operations, Mbuli Matshe presents the 2019/2020 Budget which is attached to the minutes for reference.

MOTION – BE IT RESOLVED THAT the 2019/2020 Budget Presented be noted as information.

Moved by *Jakob Sanderson*, seconded by *Owen Black*.

5) **Current Business**

a. MOTION 0438: BE IT RESOLVED THAT UMSU amend its Governance and Operations Manual section one (1), subsection (c), clause (vi) to read "Mature and Part-time Students"

BE IT FURTHER RESOLVED THAT the position representing such students will be heretofore advertised and recognized by UMSU as the Mature and Part-time Students Representative.

Moved by *Governance Committee*.

MOTION CARRIED.

6) **New Business**

a. MOTION 0443: WHEREAS According to The University of Manitoba Students' Union Act, all students at the University of Manitoba are automatically members of UMSU unless they are part of an Exempted Class at the request of UMSU and with approval of the Board of Governors;

WHEREAS There is an approved Exempted Class for "off-campus students" which has always included students on co-op work terms but did not previously include students on outbound exchange;

WHEREAS The Registrar's Office recently made system changes wherein they changed their interpretation of who is an "off-campus student" to now include students who are on outbound exchange;

WHEREAS Students on outbound exchange and on co-operative work terms rely on UMSU membership for services, their ability to vote in elections, information, and general advocacy and representation by their students' union;

WHEREAS UMSU membership fees fund Student Organizations, and Student Organizations often include and provide services specifically for students on co-op work terms and on outbound exchanges;

WHEREAS UMSU advocates for increased access to co-op programs across the university;

WHEREAS A Union relies on the universality of membership and strength in numbers;

BE IT RESOLVED THAT The President and VP Advocacy be directed and empowered to take all reasonable steps necessary with the University of Manitoba Board of Governors to include undergraduate students on co-operative work terms in the membership, effective Fall term 2019;

BE IT FURTHER RESOLVED THAT The President and VP Advocacy be directed and empowered to take all reasonable steps necessary with the University of Manitoba Board of Governors to include undergraduate students on outbound exchange in the membership, effective Fall term 2019.

Moved by *Executive Committee*.

MOTION CARRIED.

7) **Reports of the Executive**

a. President

PRESIDENT'S REPORT: September 24, 2019

GENERAL

On August 2, a University of Manitoba led project received \$2.2M in funding from Western Economic Diversification (WED) to enhance Manitoba's readiness to compete in the changing global economy. In partnership with Red River College, the University of Winnipeg, and Business Council Manitoba (BCM), the investment by WED to the U of M's co-managed project will drive industry investment in specific collaboration projects and have significant economic benefits. The project will support hiring five full-time employees to support the collaboration, 45 new industry-academic partnerships, and increased employment opportunities for 150 Indigenous students. The total cost of the project, including additional sources of funding through the U of M and other partners, is \$4.3M over the next three years, supporting an expansion of the BCM program (a work-integrated learning program), and at least three AIM DAYS (Accelerating Innovation Meetings).

Two new buildings recently opened on the Fort Garry campus: the Stanley Pauley Engineering Building (SPEB) and the Smartpark Innovation Hub (SIH). Both received financial support from the Government of Canada Post-Secondary Institutions Strategic Investment Fund (SPEB \$12.1M, SIH \$20M), with the SPEB receiving additional \$4M in support from the Province of Manitoba as well as support from [Front and Centre campaign](#) donors.

The SPEB is a 46,000-square-foot building located at 97 Dafoe Road adjacent to the Engineering Information and Technology Complex and is named in honour of engineering faculty alumnus Stanley Pauley [BSc(EE)/1949]. The building expands lab and student-support facilities across engineering disciplines. The SIH is a 75,000-square-foot building that creates a one-stop location for commercialization and professional services, and will ensure that industry partners have the ability to efficiently access new technologies and expertise to bring their ideas to market.

Many thanks to the outgoing Alumni Board Chair, Dawn Nedohin-Macek [BSc(Comp.E.)/2002], who has served on the Alumni Association Board of Directors for 7 years, the last two as Chair, with distinction. Dawn has demonstrated incredible leadership throughout her tenure and has given hundreds of hours of her time to the advance the University. The University congratulates the newly elected Alumni Board of Directors:

- Chair, Peter Wheatley [BSc(M.E.)/2007, MBA/2015]
- Vice Chair, Jessica Carvell [JD/2015]
- Treasurer, Mark Colley [BComm(Hons)/2004]
- Nominating Committee Chair, Evan Kuz [BFA(Hons)/1990]
- Member at large, Kristjan Mann [BA/2011, BA(Adv.)/2013, MA/2019]
- Member at large, Lasha Glennie [BA/2008, ExtEd/2016]
- Member at large, Efrem Teklemariam [MEng/1999]

The report commissioned to help guide the University of Manitoba to better address sexual violence, harassment and discrimination has been completed. Co-authors Donna Miller and Helga Van Iderstine's independent review, titled *Responding to Sexual Violence, Harassment & Discrimination at the University of Manitoba: A Path Forward*, was shared at a community presentation on September 17, 2019 to which all members of the UM community were invited. An implementation team, chaired by

Vice-President (Administration) Lynn Zapshala-Kelln, has been established and the University will be moving forward on implementing all recommendations.

ACADEMIC MATTERS

- Digvir Jayas, vice-president research and international, received an earned doctorate from the University of Saskatchewan. The award is in recognition of his substantial and sustained knowledge and contributions in his field of research, beyond that required for a typical doctorate.
- Bruno Dyck, business administration, received an Expanded Reason Award in Teaching, awarded by the Vatican Foundation Joseph Ratzinger/Benedict XVI and the university francisco de vitoria in madrid. The Expanded Reason Awards celebrate and encourage innovation in interdisciplinary research.
- A number of faculty were award recipients at the Canadian Society for Bioengineering/La Société Canadienne de Génie Agroalimentaire et de Bioingénierie (CSBE/SCGAB) annual meeting:
 - Danny Mann was named a CSBE Fellow, given to members of outstanding and extraordinary qualifications and experience in the field of agricultural, food or biological engineering;
 - Digvir Jayas and Song Liu were recipients of the inaugural CSBE John Ogilvie Research Innovation Award, presented for outstanding contributions to research, in any field of research relevant to CSBE/SCGAB, by an individual or team of researchers and intended to recognize the innovation or ingenuity of a single research project; and
 - Fuji Jian was honoured with the CSBE John Clark Award, given to a member who has produced outstanding work in industry, teaching, research or extension in one or more of the fields of electric power and processing, energy or food engineering.

Several biosystems engineering students were recognized:

- Laurissa Bridgeman, undergraduate scholarship;
 - Sarah Currie and Emily Kiely-Smith, CSBE Undergraduate Thesis Award;
 - Rhianna-Lynn Holter-Ferguson, CSBE Undergraduate Design Project Award;
 - Cliff Dueck and Rani Puthukulangara Ramachandran, graduate thesis award; and
 - Avery Simundsson, first place in oral presentation.
- Christina Lengyel, food and human nutritional sciences, recently received the Member Recognition Award for Outstanding Leadership at the Dietitians of Canada (DC) National Conference Annual Members Awards Ceremony.
 - Don Flaten, soil science, was awarded the Canadian Association of Diploma in Agriculture Programs annual Excellence Award for Teaching.
 - Jason Morrison, biosystems engineering, was presented with the North American Colleges and Teachers of Agriculture (NACTA) Teaching Award of Merit. These awards are given annually to individuals who excel in teaching an agricultural discipline.
 - A number of students in soil science were award recipients at the Joint Annual Meeting of the Canadian Society of Soil Science (CSSS) and the Canadian Society for Agricultural and Forest Meteorology, recently held in Saskatoon:

- Joanne Thiessen Martens received the CSSS President’s Award for her poster presentation titled *“Response of organically managed crops to addition of struvite fertilizer in a Manitoba soil”*, co-authored with K. Schneider, F. Zvomuya, and M. Entz; and
- Tony Britton won the CSS Bert Tanner Student Prize for his oral presentation, co-authored with A. Glenn, S. Satchithanatham, C Jackson, B. Amiro, and H. Wilson, titled *“Improving canola evapotranspiration estimates in Manitoba”*.
- Ifeanyi Nwachukwu, human nutritional sciences student, received the Governor General’s Gold Medal awarded for outstanding achievement at the graduate level.
- Bhanu Pilli, human nutritional sciences student, was awarded the Lieutenant Governor’s Gold Medal, for the best record in scholarship and personal qualities throughout the degree course in agriculture.
- Crystal Almdahl, entomology student, and Chelsey Walchuk, food and human nutritional sciences student, received the North American Colleges and Teachers of Agriculture (NACTA) Graduate Student Teaching Award of Merit. These awards are presented annually to individuals who excel in teaching an agricultural discipline.
- Pamela Drawbridge, food science student, was awarded a national Canadian Institute of Food Science and Technology (CIFST) Student Leadership award for the prominent role she has played in planning and implementing events undertaken by the CIFST Manitoba Section over the past two years.
- Dr. Jody Stark, music, and Jennifer Arcand, music student, are the winners of the 2019 Pat Shand Canadian Music Essay Contest for their essay *“Exploring an Imagined Canadian Identity”*.
- Paula Berry, music student, won the prestigious 2019 College Light Opera Company scholarship, and performed in nine musicals in a period of 10 weeks for the historic opera company.
- Emma Johnson, music student, won the Grand Award at the 2019 National Music Festival, the nation’s largest classical music festival. Part of this prestigious prize is performing with the Prince George Symphony Orchestra and the Thunder Bay Symphony Orchestra later this year.
- National Indigenous Peoples Day 2019, was celebrated on June 20th at the Bannatyne campus. Events included the construction of a teepee in the Medicine Garden/Mashkiki Gitigann, a pipe ceremony led by Elder Margaret Lavallee and a children’s story time at the teepee with Knowledge Keeper Leslie Spillett. There was a complimentary feast held in the Brodie Centre Atrium with entertainment provided by David Boulanger from Burnt Project 1, Aboriginal School of Dance – “Wohitika” and James Favel, executive director of the Bear Clan Patrol. Artists and crafters also displayed their artworks.
- A group of Max Rady College of Medicine students, residents and faculty are working to improve civility in the clinical learning environment in Manitoba. The group, *Civility Saves Lives*, is part of a growing movement that aims to encourage dialogue about behaviour such as abuse and harassment and promote a civil working environment in health care. *Civility Saves Lives*, which has nine

members, has launched a survey for medical trainees regarding their experiences in the clinical learning environment. The team's next step will be to create an awareness campaign.

- A reproduction of *The Witness Blanket*, a large-scale art installation created by master carver Carey Newman, will be on display until October 31st on 3rd Floor, Neil John Maclean Health Sciences Library, Bannatyne campus. Retired nurse and residential school survivor Ann Callahan spoke at the opening of the exhibition on August 22, 2019. The installation has been described as “*a national monument to recognize the atrocities of the Indian Residential School era, honour the children and symbolize ongoing reconciliation.*”

RESEARCH MATTERS

- Dr. Meghan Azad, Pediatrics & Child Health; Children's Hospital Research Institute of Manitoba, and Dr. Alain Labrique, Johns Hopkins School of Public Health, were awarded funding through the Bill & Melinda Gates Foundation “[Call-to-Action](#)” to participants of the 2018 Grand Challenges meeting in Berlin, Germany. Building on Labrique and Azad's prior work, in Bangladesh and Canada, respectively, the study will assess whether prelacteals affect the populations of bacteria in the newborn gut (the microbiome), a first step to understanding how this may affect development and survival.
- On June 21, the Canadian Academy of Engineering (CAE) announced the election of two Faculty of Engineering members as Fellows into the CAE. Randy Herrmann, Director of the Engineering Access Program (ENGAP), and Dr. Ekram Hossain, Electrical and Computer Engineering are two of the 49 other professionals from across Canada to receive this prestigious honour in 2019. Herrmann has provided exceptional leadership as the Director of the Engineering Access Program, which has graduated well over 100 engineers of Indigenous heritage who have gone on to demonstrate the importance of engineers who share the cultural heritage of Indigenous Peoples. Hossain is an internationally recognized expert in wireless communications and networking. His pioneering research contributions in radio resource management for cellular wireless and cognitive radio networks have significantly impacted research and development in this area and enabled advancement of broadband wireless communications technology. He is an extraordinary engineering educator and mentor of engineering graduate students.
- Four early career researchers are among the inaugural recipients of \$986,250 in funding from the New Frontiers in Research Fund (NFRF) announced on May 13, 2019, by the Social Sciences and Humanities Research Council (SSHRC). The NFRF program launched in 2018, provides funding that supports high-risk, high-reward and interdisciplinary research to help Canadian researchers make the next great discoveries in their fields.

- The funded projects are:

PIs	Title	Awarded
Jones, Meaghan (Biochemistry & Medical Genetics); Saleem, Ayesha (Kinesiology & Recreation Management)	Reversing frailty through transmission of epigenetic age by extracellular vesicles	\$ 250,000
El-Gabalawy, Renee (Anesthesia)	A targeted preoperative virtual reality intervention with artificial intelligence integration for anxiety in patients undergoing breast cancer surgery	\$ 250,000
Kuss, Sabine (Chemistry)	Investigation of antibiotic resistance by electrochemistry	\$ 236,250
Maghoul, Pooneh (Civil Engineering); Ashraf, Ahmed (Electrical & Computer Engineering); Hollaender, Hartmut (Civil Engineering); Shalaby, Ahmed (Civil Engineering)	Threat assessment for northern civil infrastructure affected by climate change using an AI-based geomechanical model	\$ 250,000

- On May 21, the Natural Sciences and Engineering Research Council (NSERC) announced \$13.7M in funding to 85 research projects over the next five years. Eighteen early-career researchers also received support from the Discovery Launch Supplement program and an additional nine graduate students received a combined \$1,176,500 in scholarships. The research projects are:

PI	Sponsor	Title	Awarded
Aliani, Michel (Food and Human Nutritional Sciences)	NSERC Discovery Grant	Understanding complex interactions between flavour precursors in meat-pulse products using a flavouromics platform	\$200,000
Arsenio, Janylyn (Internal Medicine)	NSERC Discovery Grant & Launch Supplement	Single cell analysis of the molecular regulation of T cell differentiation	\$197,500
Atukorallaya, Devi (Oral Biology)	NSERC Discovery Grant	Mexican tetra (<i>Astyanax mexicanus</i>) as a model to understand the development and regeneration of the epithelial appendages	\$162,500
Bellili, Faouzi (Electrical and Computer Engineering)	NSERC Discovery Grant & Launch Supplement	Scalable and efficient machine-type communication in 5G wireless access and beyond	\$152,500
Brassinga, Ann (Microbiology)	NSERC Discovery Grant	Understanding the mechanisms employed by <i>Legionella</i> to survive in diverse environments	\$160,000
Bridges, Gregory (Electrical and Computer Engineering)	NSERC Discovery Grant	Microwave devices for biosensors and single cell dielectric spectroscopy	\$230,000
Chen, Ying (Biosystems Engineering)	NSERC Discovery Grant	Simulations of microdynamics of soil, tool, and crop residue using the discrete element method (DEM)	\$275,000
Davoren, Gail (Biological Sciences)	NSERC Discovery Grant	The ecology of focal forage fish and their influence on marine predators	\$165,000

Davoren, Gail (Biological Sciences)	NSERC Northern research supplement & Ship time	The ecology of focal forage fish and their influence on marine predators	\$177,165
Deng, Chuang (Mechanical Engineering)	NSERC Discovery Grant	Design and multiscale characterization of novel metallic systems with hierarchical microstructural heterogeneity	\$140,000
Dibrov, Pavel (Microbiology)	NSERC Discovery Grant	Structure, function and dynamics of the cation-proton antiporter Vc-NhaP2 in <i>Vibrio cholerae</i>	\$160,000
Docker, Margaret (Biological Sciences)	NSERC Discovery Grant	Mechanisms of life history evolution in an ancient vertebrate	\$200,000
Duan, Kangmin (Oral Biology)	NSERC Discovery Grant	Molecular basis and regulatory mechanisms of bacterial interspecies and intercellular interactions	\$160,000
Eftekharpour, Eftekhar (Physiology & Pathophysiology)	NSERC Discovery Grant	Role of thioredoxin system in regulation of autophagy-apoptosis cross talk in neural cells: Uncovering novel molecular interactions	\$160,000
Ferguson, Philip (Mechanical Engineering)	NSERC Discovery Grant & Launch Supplement	Predictive drone control for interplanetary exploration	\$172,500
Fernyhough, Paul (Pharmacology and Therapeutics)	NSERC Discovery Grant	Muscarinic receptor signalling pathways regulating axonal regeneration and sprouting in adult neurons	\$32,000
Fry, William (Mark) (Biological Sciences)	NSERC Discovery Grant	Regulation of subfornical organ neurons by the neuropeptide neurotensin	\$180,000
Gericke, Michael (Physics and Astronomy)	NSERC Subatomic Physics	High precision tests of the running of the weak mixing angle with the MOLLER and P2 experiments	\$600,000
Gerstein, Aleeza (Microbiology)	NSERC Discovery Grant & Launch Supplement	Genotypic and phenotypic variation during adaptation in fungal microbes	\$202,500
Gillis, Darren (Biological Sciences)	NSERC Discovery Grant	The impact of ecological dynamics and statistical properties in fisheries data on the sustainability of fish populations and harvest	\$140,000
Gole, Aniruddha (Electrical and Computer Engineering)	NSERC Discovery Grant	Enabling a robust future HVDC grid	\$455,000
Gordon, Joseph (Nursing)	NSERC Discovery Grant	Modulation of cell death and differentiation by myocardin-regulated microRNAs during mammalian development	\$160,000
Hanson, Mark (Environment & Geography)	NSERC Discovery Grant	Response and recovery in boreal wetlands from contaminants: New and culturally appropriate tools for ecological risk assessment	\$235,000
Hatch, Grant (Pharmacology and Therapeutics)	NSERC Discovery Grant	Regulation of membrane transport by cardiolipin	\$160,000
Hossain, Ekram (Electrical and Computer Engineering)	NSERC Discovery Grant	On design and engineering of radio access networks for beyond 5G wireless	\$320,000

House, James (Food and Human Nutritional Sciences)	NSERC Discovery Grant	Nutritional regulation of sulphur amino acid metabolism	\$275,000
Hu, Can-Ming (Physics and Astronomy)	NSERC Discovery Grant	Cavity Spintronics: Expanding the horizons for microwave, THz, magnetic, and quantum technologies	\$375,000
Hu, Can-Ming (Physics and Astronomy)	NSERC Accelerator Supplement	Cavity Spintronics: Expanding the horizons for microwave, THz, magnetic, and quantum technologies	\$120,000
Irani, Pourang (Computer Science)	NSERC Discovery Grant	In-situ user interfaces	\$445,000
Jakobson, Lorna (Psychology)	NSERC Discovery Grant	Factors contributing to natural variation in perceptual and cognitive skills	\$165,000
Kelly, Debbie (Psychology)	NSERC Research tools & instruments	Integrating cognitive science and movement ecology through the establishment of Technosmart Avian Tracking System	\$89,822
Khoshdarregi, Mohammad (Mechanical Engineering)	NSERC Discovery Grant & Launch Supplement	Intelligent robotic machining systems: Integrated process planning, monitoring, and control	\$147,500
Kirkland, Stephen (Mathematics)	NSERC Discovery Grant	Nonnegative and combinatorial matrix theory	\$105,000
Kuss, Christian (Chemistry)	NSERC Discovery Grant & Launch Supplement	Conjugated polymer binders for lithium- and sodium-ion batteries	\$152,500
Kuss, Sabine (Chemistry)	NSERC Discovery Grant & Launch Supplement	Scanning photoelectrochemical microscopy and its application to biological systems	\$132,500
Kuss, Sabine (Chemistry)	NSERC Research tools & instruments	A scanning electrochemical microscope for the analysis of biological systems	\$150,000
Kuzyk, Zou (Geological Sciences)	NSERC Discovery Grant & Northern research supplement	Organic carbon cycling along high-latitude continental margins and implications of climate change	\$200,000
Leboe-McGowan, Launa (Psychology)	NSERC Discovery Grant	Metaphorical influences on time perception	\$140,000
Liang, Xihui (Mechanical Engineering)	NSERC Discovery Grant & Launch Supplement	Development of advanced condition monitoring techniques for gearboxes and bearings	\$172,500
Lindsey, Benjamin (Human Anatomy and Cell Science)	NSERC Discovery Grant & Launch Supplement	Radial-glia stem cell development and plasticity in the adult zebrafish brain	\$162,500
Liu, Song (Biosystems Engineering)	NSERC Discovery Grant	Development of functional materials for battling bacterial contamination	\$165,000
Luo, Yunhua (Mechanical Engineering)	NSERC Discovery Grant	Understanding bone strength and fracture by multiscale modeling, testing and imaging: The role of chemical composition and hierarchical structure	\$195,000
Mammei, Juliette (Physics and Astronomy)	NSERC Subatomic Physics	PREX II and CREX: Precision parity violating measurement of neutron skin of heavy nuclei at Jefferson Laboratory	\$475,000
Mundy, Christopher (Centre for Earth Observation Science)	NSERC Discovery Grant & Northern research supplement	Physical and biological controls of primary production in the ice-influenced Canadian Arctic marine system	\$240,000

Mundy, Christopher (Centre for Earth Observation Science)	NSERC Ship time	Southampton island marine ecosystem project (SIMEP) network - 2019 scientific cruise	\$168,000
Papakyriakou, Timothy (Centre for Earth Observation Science)	NSERC Discovery Grant	Air-sea exchange of CO ₂ and carbon system dynamics in Canadian subarctic waters	\$150,000
Pelka, Peter (Microbiology)	NSERC Discovery Grant	Cellular functions of the hub proteins FUBP1 and DREF and their deregulation by adenovirus	\$160,000
Plaizier, J. C. (Kees) (Animal Science)	NSERC Discovery Grant	Enhancing gut health in high yielding cattle	\$275,000
Renault, Sylvie (Biological Sciences)	NSERC Discovery Grant	Interaction between abiotic and biotic stresses: Salinity and herbivory in woody plants	\$140,000
Safi-Harb, Samar (Physics and Astronomy)	NSERC Discovery Grant	Astrophysics of Supernova Remnants in the 2020's	\$250,000
Sirker, Jesko (Physics and Astronomy)	NSERC Discovery Grant	Many-body quantum systems out of equilibrium	\$170,000
Soderstrom, Melanie (Psychology)	NSERC Discovery Grant	Factors influencing infant perception of infant-directed speech	\$33,000
Sparling, Richard (Microbiology)	NSERC Discovery Grant	Relating fermentation pathways to energy conservation in lignocellulolytic clostridia and related organisms	\$250,000
Stern, Gary (Centre for Earth Observation Science)	NSERC Discovery Grant	Efficacy of in-situ burning as a counter measure to oil spills in Arctic ice infested waters	\$215,000
Taylor, Carla (Food and Human Nutritional Sciences)	NSERC Discovery Grant	Metabolic and immune functions of zinc and lipids	\$235,000
Thulasiraman, Parimala (Computer Science)	NSERC Discovery Grant	Adaptive decentralized traffic forecasting for intelligent transportation	\$140,000
Tomy, Gregg (Chemistry)	NSERC Discovery Grant	Identification and environmental fate of novel halogenated polycyclic aromatic compounds in Canada's oil sands region	\$145,000
Wang, Bingchen (Mechanical Engineering)	NSERC Discovery Grant	Study of dual-jet interference and scalar mixing using direct numerical and large-eddy simulations	\$160,000
Wang, Yang (Computer Science)	NSERC Discovery Grant	Visual recognition beyond supervised learning	\$140,000
Wigle, Jeffrey (Biochemistry and Medical Genetics)	NSERC Discovery Grant	Transcriptional regulation of fibroblast generation in the embryonic heart	\$160,000
Yahampath, Pradeepa (Electrical and Computer Engineering)	NSERC Discovery Grant	New signal processing techniques for next generation video compression	\$140,000
Zahradka, Peter (Physiology & Pathophysiology)	NSERC Discovery Grant	Hormonal mechanisms of gene regulation	\$180,000
Zhu, Guozhen (Mechanical Engineering)	NSERC Discovery Grant & Launch Supplement	Deformation physics of nanoscale features in Mg alloys	\$202,500

Zvomuya, Francis (Soil Science)	NSERC Discovery Grant	Characterizing the release, dynamics and plant availability of phosphorus from recovered struvites	\$180,000
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- On May 31, the Canadian Institutes of Health Research awarded \$753,432 to Dr. Donald Miller and a multidisciplinary team under the Collaborative Health Research Projects (CHRP) program to examine blood and urine based biomarkers for early detection and treatment monitoring of brain tumours. CHRP funds bring together diverse teams of health researchers, engineers and those in the natural sciences, and social scientists and humanities scholars, to tackle health challenges. The University of Manitoba project involves a diverse team of investigators with Miller: Drs. Thomas Klonisch (Human Anatomy & Cell Science), Ted Lakowski (Pharmacy), Marshall Pitz (Research Institute of Oncology and Hematology a joint institute with CancerCare Manitoba), as well as David Wishart from The Metabolomics Innovation Centre (Alberta) in partnership with BioMark Diagnostics (British Columbia).
- On June 18, The Honourable Kirsty Duncan, Minister of Science and Sport, announced two new Canada Research Chairs (CRCs) and two renewed CRCs at the University of Manitoba. All are Tier 2 chairs, each receiving \$500,000 over five years, for a total of \$2M. They are:
 - Dr. Eric Collins (Centre for Earth Observation Science), new Chair in Arctic Marine Microbial Ecosystem Services, will answer the driving question of: How will sea ice loss, economic development, and other human impacts affect ecosystem services provided by Arctic marine microbes?
 - Dr. Susan Logue (Human Anatomy and Cell Science), new Chair in Cell Stress and Inflammation, aims to understand how stressed cells “talk” to neighbouring cells. Using a range of cell biology and biochemical techniques Logue will study cell-to-cell communication during endoplasmic reticulum (ER) stress and determine how the unfolded protein response impacts on the wider cellular environment.
 - Dr. Carl Ho (Electrical and Computer Engineering), renewed Chair in Efficient Utilization of Electric Power, studies low voltage micro-grid technologies, power electronics grid-connected converters, and their controls.
 - Dr. Nicole Rosen (Linguistics), renewed Chair in Language Interactions, conducts advanced linguistic research on language interactions on the Canadian Prairies, including the influence of heritage and immigrant languages on official languages, and on the Michif language.
- On July 17, the Canadian Institutes of Health Research (CIHR) announced \$4M in funding to two Rady Faculty of Health Sciences professors: Dr. Keith Fowke (Medical Microbiology & Infectious Diseases), to investigate how anti-retroviral and anti-inflammatory medications can prevent new HIV infections; and Dr. Adam Burgener (Obstetrics & Gynecology) to investigate how the microbiome in the human body interacts with vaccines and anti-retroviral drugs against HIV. Fowke’s co-investigators are: Emmanuel Ho (University of Waterloo); Joshua Kimani (Medical Microbiology and Infectious Diseases (MMID – U of M and University of Nairobi); Lyle Mckinnon (MMID-UM); Thomas Murooka (Immunology-UM); Julie Lajoie (MMID-UM); Julius Oyugi (MMID and University of Nairobi).

Burgener’s co-investigators are: Carolina Herrera (Imperial College, London); Roger Paredes (Irsi Caixa, Barcelona), Vanessa Poliquin (Obstetrics, Gynecology and Reproductive Sciences, U of M) and Thomas Murooka (Immunology-UM).

- On July 17, more than \$2.5M was awarded by the Social Sciences and Humanities Research Council (SSHRC) to the following research projects:

PI	Sponsor	Title	Awarded
Arora, Sandeep (Marketing)	Insight Grant	The Impact of Corporate Political Activities on Customer Mindset Metrics	\$75,415
Brownell, Marni (Community Health Sciences/Manitoba Centre for Health Policy)	Partnership Development Grant	Across the Spectrum: Building a Multi-Sector Partnership to Conduct Social Policy Evaluation and Research Using Big Data	\$199,960
Brownell, Marni (Community Health Sciences/Manitoba Centre for Health Policy)	Insight Grant	Quantifying Social Disparities in Youth Justice System Trajectories — Evidence to Inform Policy Change	\$252,756
Carriere, Real (Political Studies)	Insight Development Grant	Nistotumowin Nehinuwak Okimahin: Developing a Deeper Understanding of Swampy Cree Political Theories and Practices	\$70,705
Jiang, Changmin (Supply Chain Management)	Insight Development Grant	Airlines' Passenger Data Protection Investment: Consumer Response and Market Competition	\$58,932
Kouritzin, Sandra (Curriculum, Teaching & Learning)	Insight Grant	Workload Creep in the Social Sciences and Humanities in Canadian research-intensive universities	\$326,209
Kruk, Richard (Psychology)	Insight Grant	A question of time: Sensory and language sampling in reading acquisition	\$99,915
Liu, Mingzhi (Accounting & Finance)	Insight Grant	Directors' and officers' liability insurance, corporate social performance, and tax avoidance	\$68,035
Ng, Adolf (Supply Chain Management)	Insight Development Grant	New Technology, Climate Change Perception, and Behavioral Changes: The Roles of Virtual Reality (VR)	\$52,239
Porth, Lysa (Warren Centre, Asper School of Business)	Insight Grant	Machine Learning-Based Methods Using Satellite-Derived Remote Sensing Data for Risk Management and Insurance in the Presence of Systemic Weather Risk	\$283,070
Roos, Leslie (Psychology)	Insight Development Grant	The Impacts of Maternal Social Buffering on Preschoolers' Emotional, Behavioural, and Physiological Responses to Stress	\$71,980
Saberian, Soodeh (Economics)	Insight Development Grant	Air Pollution and Mental Health	\$51,100
Ursel, Jane (Sociology and Criminology)	Insight Grant	Impervious to Change? A Mixed Methods Analysis of Criminal Sexual Assault Complaint Attrition Rates	\$268,580
Wang, Luming (Marketing)	Insight Grant	Information Privacy in Mobile Applications	\$95,240
Woodgate, Roberta (Nursing)	Insight Grant	Indigenous Youth Aging out of the Child Welfare System in Manitoba: Where do we go from here?	\$373,539

Woolford, Andrew (Sociology)	Insight Grant	Symbiotic Destruction: Genocide, Human Groups, and the Natural World	\$119,583
Yoon, Ee-Seul (Education)	Insight Development Grant	Is School Choice Fueling Inequality in the Canadian Education System?	\$37,414

- On August 12, seven research projects aimed at testing new technologies and techniques to improve our responses to oil spills received \$6.385M in funding from the Government of Canada through the Department of Fisheries and Oceans Canada. The researchers receiving the funding are: Dr. Feiyue Wang, Dr. Soeren Rysgaard and Dr. Gary Stern, all researchers at the Centre for Earth Observation Science. The projects are:

PI	Research Partner	Title	Awarded
Wang, Feiyue (Environment & Geography)	SL Ross Environmental Research, Ltd.	Onsite burning as a response technique for oil spills in Canadian waters	\$305,000
Wang, Feiyue (Environment & Geography)	SL Ross Environmental Research, Ltd.	Small-scale testing of alternative response options for spilled oils in Canada	\$680,000
Wang, Feiyue (Environment & Geography)	SL Ross Environmental Research, Ltd.	Experimental field study of onsite burning with fire booms to reduce burn residues	\$846,000
Wang, Feiyue (Environment & Geography)	SL Ross Environmental Research, Ltd.	Experimental field study of aerial herder and igniter use for onsite burning in drift ice and open water	\$1,400,000
Wang, Feiyue (Environment & Geography)	SL Ross Environmental Research, Ltd.; DF Dickins Associates, Ltd.	Chemical analysis of oil and oil products and their changes in the environment	\$1,900,000
Stern, Gary (Environment & Geography)	McGill University	Baseline monitoring of hydrocarbon contaminants and microbial genomics along the Kivalliq transportation corridor	\$770,000
Rysgaard, Søren (Environment & Geography)	Aarhus University, National Research Council Canada	Onsite and offsite investigation of oil biodegradation potential in Arctic marine environments	\$484,000

- 137 research projects led by 57 investigators received a total of \$15,443,292 in grant funding from multiple sponsors. Those projects receiving more than \$25,000 are:

PI	Sponsor	Title	Awarded
Alfaro, Marolo (Civil Engineering)	NSERC Engage	Measuring construction and post-construction deformations of mechanically stabilized earth walls using terrestrial laser scanning	\$25,000
Archibald, Mandy (Nursing)	Children's Hospital Research Institute of Manitoba (CHRIM)	Developing a research laboratory at the nexus of arts-lived experience research and knowledge translation	\$30,000
Austin-Smith, Brenda (English, Film, and Theatre)	Canadian Association of University Teachers	Framing feeling: Film, adaptation, emotion	\$48,400
Barclay, Ruth (Physical Therapy)	CIHR Catalyst	Self-reported and physical factors associated with community ambulation in	\$69,868

		older adults and people with osteoarthritis	
Bridges, Gregory (Electrical and Computer Engineering)	Queen's University	emSYSCAN - Embedded Systems Canada	\$120,000
Dahl-Jensen, Dorthe (Environment & Geography)	Research Manitoba	Canada Excellence Research Chair in Arctic Ice, Freshwater Marine Coupling and Climate Change	\$9,999,640
Dakshinamurti, Shyamala (Pediatrics and Child Health)	Research Manitoba	How does hypoxia inhibit adenylyl cyclase activity in the hypertensive pulmonary artery? Investigating the role of cysteine nitrosylation	\$44,100
Friesen, Marcia (Dean's Office - Faculty of Engineering)	Manitoba Aerospace Industries	NSERC Chair in Design Engineering for sustainable development and enhanced design integration	\$290,917
Gericke, Michael (Physics and Astronomy)	University of Winnipeg	The Nab Experiment: An ultraprecise measurement of the electron-antineutrino angular correlation coefficient in neutron beta decay	\$40,000
Gericke, Michael (Physics and Astronomy)	University of Winnipeg	Ultracold neutron electric dipole moment experiment	\$27,000
Goldsborough, Gordon (Biological Sciences)	Red River Basin Commission	Red River dredging and Netley-Libau Marsh restoration pilot project	\$190,300
Hollaender, Hartmut (Civil Engineering)	NSERC Engage	Evaluation of permafrost changes due to climate change	\$25,000
Jones, Meaghan (Biochemistry and Medical Genetics)	Health Sciences Centre Foundation	Breaking the link between prenatal environmental exposures and allergic disease: Insights from epigenetic research	\$70,000
Katz, Alan (Community Health Sciences)	University of British Columbia	Establishment of the strategy for patient-oriented research Canadian data platform	\$375,000
Kazem Moussavi, Zahra (Electrical and Computer Engineering)	Mitacs Acelerate Internship (Cluster)	Application of advance signal and image processing to develop objective diagnostic and monitoring technologies as well as predicting the response to treatment for Alzheimer's disease	\$240,000
Keijzer, Richard (Surgery)	Research Manitoba	Understanding mechanisms of transplacental nanoparticle transfer as a novel fetal therapy option during pregnancy	\$44,100
Ko, Ji Hyun (Human Anatomy and Cell Science)	CIHR Catalyst	Do cognitive behavioral therapy skills classes increase a resiliency-related brain connectivity pattern to posttraumatic stress disorder	\$149,927
Koksel, Filiz (Food and Human Nutritional Sciences)	Research Manitoba	Understanding the mechanisms associated with quality creation in protein-rich plant-based aerated foods during processing	\$50,000
Komenda, Paul (Internal Medicine)	Mitacs Elevated PDF	The epidemiology of Fabry disease and metabolic acidosis in Manitoba	\$60,000
Kuss, Christian (Chemistry)	Research Manitoba	Enabling all-solid-state battery electrodes with mixed conducting binders	\$48,200

Kuss, Sabine (Chemistry)	Research Manitoba	Investigation of antibiotic resistance by electrochemistry	\$130,000
Kuzyk, Zou (Centre for Earth Observation Science)	Laval University	Community-based research on winter water modifications in the coastal domain of Hudson Bay: Implications for freshwater-marine coupling, biological productivity and the carbon cycle (Short title: Coastal oceanography of Hudson Bay)	\$75,000
Landrum, Lisa (Architecture)	SSHRC Connection	Canadian architecture forums on education: Toward an architecture policy for Canada	\$50,000
Larcombe, Linda (Internal Medicine)	CIHR HIV/AIDS Community-Based	Mapping the journey: Developing culturally appropriate, geographically-responsive HIV care for northern Manitoba First Nations people	\$447,923
Mackay, Dylan (Community Health Sciences)	Manitoba Medical Service Foundation	The impact of diet on frailty and chronic kidney disease outcomes from the CanFIT study	\$31,000
Mai, Sabine (Physiology & Pathophysiology)	Research Manitoba	Novel non-invasive blood-based molecular analysis to identify high-risk lethal prostate cancer	\$44,100
McLaren, Paul (Medical Microbiology and Infectious Diseases)	Manitoba Medical Service Foundation	Genetic regulation of the vaginal immune and microbial environment and its impact on HIV susceptibility	\$31,850
Myrie, Semone (Food and Human Nutritional Sciences)	Mitacs Accelerate	The effects of the dietary supplement Cardioflex on reducing cardiovascular disease risk factors in adults	\$60,000
Nixon, Kendra (RESOLVE (Research and Education for Solutions to Violence and Abuse))	Prairie Action Foundation CARE	Caught in the middle	\$66,711
Nyachoti, Charles (Martin) (Animal Science)	Manitoba Pork Council	Development of innovative strategies to reduce feed costs in the post-weaning period while maintaining optimal performance and health	\$165,000
O'Dea, Christopher (Physics and Astronomy)	University of Toronto	Unlocking the radio sky with next-generation	\$36,305
Papakyriakou, Timothy (Centre for Earth Observation Science)	Research Manitoba	Canadian consortium for arctic data inoperability: Data sharing and analysis for arctic research and northern communities	\$279,990
Papakyriakou, Timothy (Centre for Earth Observation Science)	University of Calgary	Canadian consortium for arctic data interoperability: Data sharing & analysis for arctic research and northern communities	\$177,517
Porter, Michelle (Centre on Aging)	Winnipeg Foundation (The)	Homeshare Program	\$30,000
Rajapakse, Athula (Electrical and Computer Engineering)	Mitacs Accelerate	Machine learning approach for real-time assessment of voltage stability using multiple indicators derived from wide area synchrophasor measurements	\$45,000

Raouf, Afshin (Immunology)	Health Sciences Centre Foundation	Application of adipose-derived mesenchymal stem cells to wound healing and scar formation	\$41,100
Renault, Sylvie (Biological Sciences)	Mitacs Accelerate	Revegetation of disturbed areas in Northern Manitoba	\$30,000
Renner, Eberhard (Internal Medicine)	Manitoba Medical Service Foundation	Effect of an exercise rehabilitation program on symptom burden in hemodialysis: A multi-centre randomized controlled study	\$150,000
Roos, Leslie (Psychology)	Research Manitoba	The BRIDGE program: Building regulation in dual generations	\$129,947
Saleem, Ayesha (Kinesiology and Recreation Management)	Research Manitoba	Do extracellular vesicles cause skeletal muscle loss in cancer cachexia?	\$130,000
Saleem, Ayesha (Kinesiology and Recreation Management)	Research Manitoba	Role of extracellular vesicles in mediating health adaptations	\$44,100
Schroth, Robert (Preventive Dental Sciences)	Children's Hospital Research Institute of Manitoba (CHRIM)	A randomized clinical trial of silver diamine fluoride (SDF) to arrest early childhood caries (ECC) in young children	\$60,000
Scribbans, Trisha (Faculty of Kinesiology and Recreation Management)	College of Massage Therapists of Ontario	Myofascial release (MFR) of the pectoral fascia: Effects on shoulder posture, upper limb reaching strategies and performance	\$32,094
Shah, Ashish (Internal Medicine)	Manitoba Medical Service Foundation	Novel methods for selecting appropriate patients undergoing trans-catheter aortic valve implementation (TAVI) - A pilot project	\$30,000
Siddiqui, Tabrez (Physiology & Pathophysiology)	Research Manitoba	Mechanisms underlying neural circuit disruption in schizophrenia	\$130,000
Sirker, Jesko (Physics and Astronomy)	German Research Foundation (DFG)	Relaxation dynamics after a quench in integrable and almost integrable quantum chains	\$245,550
Slevinsky, Richard (Mathematics)	Research Manitoba	Spectral methods for nonlocal equations on the sphere	\$49,500
Sorensen, John (Chemistry)	NSERC Engage	Characterization of bioactive natural products from beneficial agricultural bacteria	\$25,000
St John, Philip (Internal Medicine)	CIHR Catalyst	Health status of rural Canadians	\$64,300
Stamps, Robert (Physics and Astronomy)	Research Manitoba	Desktop supercomputers for the design of advanced functional materials	\$114,462
Stern, Gary (Centre for Earth Observation Science)	Laval University	Understanding the effects of climate change and industrial development on contaminant processes and exposure in the Canadian arctic marine ecosystem	\$63,500
Targownik, Laura (Internal Medicine)	Ferring Canada	Evaluating the use of and outcomes associated with 5-ASA use in a population based sample of persons with UC	\$30,000

Thompson, Shirley (Natural Resources Institute)	Mitacs Accelerate	Learning partnership for community development and Mino Bimaadiziwin in Brokenhead Ojibway Nation	\$45,000
Urquia, Marcelo (Community Health Sciences)	Research Manitoba	Social Determinants of Health Digital Library	\$240,000
Zelenitsky, Sheryl (Dean's Office - College of Pharmacy)	Kidney Foundation of Canada	Optimizing Antibiotic Dosing for Patients on Hemodialysis: A High-Risk Population	\$99,891
Zvomuya, Francis (Soil Science)	Mitacs Elevated PDF	Soil productivity and soil health status following restoration of pipeline corridors on agricultural land reserve cropland in Northern British Columbia	\$71,000

ADMINISTRATIVE MATTERS

- The University of Manitoba’s outdoor Farmers’ Market, hosted by the Office of Sustainability, operates every second Tuesday from 10 AM – 3 PM until September 24. The market’s goals are to increase access to fresh foods, support a healthy community, reduce carbon emissions from long-haul transportation, stimulate the local economy, support local businesses and encourage consumers to reconnect with the land. Throughout the summer, free outdoor yoga, a charity hotdog stand and entertainment have been added to the day’s events.
- The Office of Sustainability has begun department organics collection for staff kitchens and break rooms at the Fort Garry campus. Thus far, there are 15 departments enrolled in the program and ~300 pounds of organics have been diverted from landfill in the first two months of the program. Organics collection has recently expanded to include the Daily Bread kitchens and UM Dining Services pre-consumer kitchen waste.
- The AASHE (Association for Advancement of Sustainability in Higher Education) has released their Sustainable Campus Index recognizing top-performing universities in 17 sustainability impact areas as measured by the STARS system. Along with being listed as a Stars Gold campus, we are also highlighted as a top performer in two categories from over 300 universities submitting. Tied for #3 for Coordination and Planning (p.11-12) and for Research (p. 29-30) <https://www.aashe.org/wp-content/uploads/2019/08/SCI-2019-Updated.pdf>
- Issues with power outages on the University Fort Garry Campus continued in the spring and summer of 2019. The challenges with the system are three-fold. One-third of the interruptions are caused by faults on the incoming MB Hydro lines along the transmission route or at the Mohawk Station on Bishop Grandin Boulevard. This will be alleviated by the addition of a third distribution line to the University in 2020/21. One-third of the issues are related to failures due to the age of the infrastructure at the University Station on Freedman Crescent. A letter of intent (LOI) has been signed with Manitoba Hydro to progress a conversion to a higher voltage and replacement of the station with points of delivery (POD) on campus over the next few years. This will allow for a reduction in the reliance on the University station, and additional maintenance to be completed to provide additional spare parts and redundancy. The third aspect is related to campus distribution infrastructure to buildings. With the establishment of PODs on campus, some suspect and aged distribution equipment will be replaced as part of the campus re-servicing plan. The signature of the

LOI in July 2019 is a major advancement to working collaboratively with MB Hydro on ensuring a reliable supply of electrical service to the campus. In the meantime, Physical Plant staff work diligently to maintain the existing infrastructure and to respond efficiently to outages.

- Road construction is underway along University Crescent from Chancellor Matheson Road to Dafoe Road, as part of the Fort Garry campus five year road renewal program. 2019 work also includes landscape improvements along University Crescent, raised pedestrian crossings on Dafoe Road, the reconstruction of Freedman Crescent from Service Street 7 to the Winnipeg Transit bus staging area as well as bank stabilization and a multi-use pathway along Saunderson Street/Dysart Road. Work is expected to be complete by October 25, 2019. The University Crescent and Dafoe Road intersection will be completed in a series of phases with lane reconstruction occurring with each phase. In order to ensure safety and facilitate construction more efficiently, the University Crescent and Dafoe Road intersection will be closed starting Tuesday, September 3 until the completion of construction. Access to Dafoe Road will be from the south side of campus via Freedman and MacLean Crescent. Three (3) UM today stories have been distributed to the campus community via Week at a Glance and the Physical Plant service disruption webpage is updated as traffic impacts change.
- Darlene Smith has been appointed as the new Associate Vice-President (Human Resources).
- Human Resources, in collaboration with the Provost's Office, has launched a new training session for academic search committees on the topic of Implicit Bias. As implicit bias can negatively impact the recruitment process, this training provides a foundation on how to recognize and interrupt biases to ensure that the hiring process is fair. The session covers topics relating to equity, diversity, inclusion, interrupting bias, and evaluation criteria, to support the University to follow best practices in advertising, searching and interviewing.
- Human Resources has announced the fall schedule of customized learning and development opportunities for support staff designed to support employees to perform their current role, or to prepare them for future roles. Over 50 learning workshops and activities will be offered through Learning & Organizational Development (LOD) between September and December of 2019.
- Parking Services implemented a new online student parking registration system and sold out student parking in 24 hours. With this new online system we also introduced a flexible parking pilot program for students which sold out in 48 hours. Student parking consists of over 3,100 parking spaces and the flexible parking pilot program will provide parking at a reduced rate for 100 vehicles in 50 of those student spaces.
- Staff from Revenue Accounting attended the Indigenous Education Counsellors' Annual Gathering in June to give a presentation on sponsored student tuition and financial support processes. The presentation was well received; it helped clarify processes and how they have changed over the years to help students succeed.
- The UM Access and Privacy Officer will be a keynote speaker at the Manitoba and Saskatchewan Connections Conferences in September 2019. The conferences welcome access and privacy, information management, and security professionals in public bodies to participate in an event for those who are charged with supporting or managing Freedom of Information and the Protection of

Personal Information within organizations subject to their Province's respective access and privacy legislation. The subject of the keynote address is Records and Reconciliation: The Right to Know and the Power of Truth, which will highlight the work being done to provide access to records at the National Centre for Truth and Reconciliation which is hosted at the University of Manitoba.

- The Standing Committee on Industry, Science and Technology (“INDU”) released the second report on the Copyright Act review after hearing from 263 witnesses, reading 192 briefs, and receiving over 6,000 emails and letters. The range of stakeholder participation (in particular from the educational sector) was greater for this report than for the Canadian Heritage Standing Committee’s, and features more balanced recommendations representing the interests of both copyright owners and users. In contrast to the Canadian Heritage report, the INDU Committee recommends expanding Fair Dealing purposes, rejects harmonizing statutory damages for commercial and non-commercial infringements, and calls for further review of copyright collective tariffs and damages. In addition, INDU has suggested that the government attempt to facilitate negotiations between educational institutions and Access Copyright, and to revisit Fair Dealing in educational institutions in three years following receipt of more authoritative information and other legal developments (such as the outcome of the appeal in Access Copyright v. York). While this report is more influential and advantageous for educational institutions than the Canadian Heritage report, the fact that many of these recommendations suggest further review leaves uncertainty about the future direction of Canadian copyright law.
- The Accessibility for Manitobans Act has adopted their second set of requirements, the Employment Standard. The OHRCM will support Human Resources in implementing the requirements of the Standard by May 2020.
- The Information Security Policy and Procedure is going to the Board of Governors for approval in November.
- Device encryption for laptops and desktops will be rolled out to IST centrally managed devices in September. A communication was sent on August 26th to Distributed IT and the Deans and Directors to inform them of the requirement to encrypt their devices that they manage using tooling that will allow for compliance reporting.

EXTERNAL MATTERS

- Gifts made in the current reporting period include:
 - Stu Clark [BComm(Hons)/1976, LLD/2011], an esteemed alumnus and entrepreneur, made a gift of \$10 million to the I.H. Asper School of Business, bringing his total giving to over \$19 million. In recognition of his giving, the University is establishing the Stu Clark Graduate School at the I.H. Asper School of Business.
 - John [BSc/1958] and Gabrielle Pashniak supported the Stanley Pauley Engineering Building with a gift of \$400,000 through the John and Gabrielle Pashniak Foundation.
 - Kerry [LLB/1980] and Simone Vickar made a gift of \$300,000 to the Faculty of Law to establish a permanent space in Robson Hall for the L. Kerry Vickar Business Law Clinic.
 - The Province of Manitoba announced \$2.5 million in support for the James W. Burns Leadership Institute over 10 years.

- The Seniors Alumni Learning for Life Program fall session launched September 12, 2019. An exciting, diverse program is being offered and as in previous years, the program is sold out.
- Homecoming 2019 took place September 16 - 22. Graduation years ending with a '4' or '9' were celebrating milestone anniversaries this year. Many activities, events and reunions were being planned, including:
 - Homecoming Concert
 - Opening of the Stanley Pauley Engineering Building
 - Homecoming Football Game & Tailgate Carnival
 - UMSU Centennial Celebration Brunch
 - 25 reunions and faculty events on both campuses
- Alumni events will be hosted in New York and Brandon in October. For the second year, a UM Alumni and Friends team is registered to participate in the Terry Fox Run of New York and a pre-run reception will be hosted in conjunction with the event. In Brandon, a lunch will feature three of the University's 3MT graduate students presenting on their innovative research.
- The Alumni Association AGM was held on Monday, June 10, 2019. Alumni in attendance unanimously supported the following governance model amendments:
 - Update the Association's bylaws;
 - Reduce the size of the Board of Directors;
 - Remove the executive committee; and
 - Introduce an Alumni Council as a standing committee of the Board of Directors that will be advisory, not governing, in nature.
- Within the maximum composition of 55 members excluding ex-officio members, the Alumni Council will consist of a diverse group alumni with representation from all faculties, colleges and various alumni community groups founded on equity, diversity and inclusion. This group will meet three times annually and is intended to foster active communication among key alumni constituencies and stakeholders on topical issues facing the university. Various members of the University's senior leadership team may be present at these meetings to hear directly from alumni. The three alumni representatives on the Board of Governors will serve on the Alumni Council and will no longer be members of the Board of Directors.
- After extensive community consultation over the past 18 months, the launch of the University's new logo on June 12, 2019 began the first step of introducing the new brand. The logo received an overwhelmingly positive response - both online and through direct feedback from the community. The new brand will continue to be introduced over the next year, informing the University's visual expression and storytelling through the implementation and transition phases.
- On August 8, 2019, the University successfully launched the first phase of the redesigned umanitoba.ca website, following a year-long consultation with community stakeholders. The remaining webpages will continue to migrate to the new site in stages, with faculty and department content moving over within the next 18 months. As with any exciting new venture, umanitoba.ca is a work in progress and will be updated continually with improvements based on feedback from the community.

- Nominations for the 2020 Distinguished Alumni Awards will open in October and close on November 22, 2019. The DAA 2020 Celebration of Excellence is scheduled for October 1, 2020. The timing of the Celebration of Excellence event has been moved to align with Homecoming 2020, which is in keeping with best practices of other Canadian universities. The Celebration of Excellence will be the flagship event during Homecoming 2020 scheduled from September 29 to October 4, 2020.



UNIVERSITY
OF MANITOBA

Office of the University Secretary

312 Administration Building
Winnipeg, Manitoba
Canada R3T 2N2
Telephone: (204) 474-9593
Fax: (204) 474-7511

**Board of Governors Code of Conduct
Annual Compliance Report for 2018-2019**

The Code of Conduct for Members of the Board of Governors (the “Code”) requires that “The University Secretary shall give an incident/compliance report to the Board of Governors annually”.

I confirm that an overview of the Code has been a part of the orientation program for new Board members.

27 declarations were filed, representing Members of the Board, Assessors and external committee members.

In the 2018-2019 year, a number of potential conflicts of interest were disclosed. These were reported to the Governance and Nominating Committee on September 17, 2018.

Board members who had conflicts of interest or potential conflicts of interest disclosed these when matters came before the Board of Governors and recused themselves from the discussion and voting on those matters. Such recusals were recorded in the meeting minutes.

Respectfully submitted,

Jeff M. Leclerc,
University Secretary

August 20, 2019