

TRUSTEE COMMITTEE ON BUDGET & FINANCE

Friday, December 13, 2019

Administration Building

I. Action Items

External Investment Advisory Subcommittee Member Appointments Attachment 1

FFE - Selma and Stanley Hollander Quality, Excellence, and
Opportunity Endowment in the College of Music Attachment 2

Long-Term Ground Lease with the MSU Foundation Attachment 3

A. Project Approval - Authorization to Proceed


Business College Complex - Eppley Center - Student Support and
Capital Renewal Attachment 4

MICHIGAN STATE UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Budget and Finance

From: Philip Zecher 
Chief Investment Officer

Subject: External Investment Advisory Subcommittee Member Appointments

RECOMMENDATION

The Trustee Committee on Budget and Finance recommends that the Board of Trustees reappoint Joel Wittenberg and appoint Anastasia Titarchuk to the Investment Advisory Subcommittee.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby reappoints Joel Wittenberg as an external member of the Investment Advisory Subcommittee for a three-year term commencing January 1, 2020.

BE IT FURTHER RESOLVED, that the Board of Trustees of Michigan State University hereby appoints Anastasia Titarchuk as an external member of the Investment Advisory Subcommittee for a three-year term commencing January 1, 2020.

BACKGROUND

The Investment Advisory Subcommittee (IAS) is a subcommittee of the Committee on Budget and Finance. Its role, among other things, is to advise the Chief Investment Officer (CIO) in the review and evaluation of investment opportunities and strategies and provide knowledgeable, objective, and independent advice to members of the Committee on Budget and Finance and the CIO on investment policies and objectives, strategic investment planning and policy, investment opportunities, and other matters as may be determined by the Board.

The IAS is composed of the members of the Committee on Budget and Finance and outside experts. The Board has adopted a set of Stipulations for the Selection and Participation of Outside Members of the Investment Advisory Committee. One of those stipulations states: "Outside members will serve staggered three-year terms and may be reappointed."



Investment Office

Michigan State University
City Center Building
325 E. Grand River Ave.
Suite 200
East Lansing, MI 48823

Ph: 517-432-0430
Fax: 517-884-0384
investments.msu.edu

Mr. Wittenberg has served two terms on the IAS, and is willing to serve a third. The Administration believes that reappointing Mr. Wittenberg to a third term on the IAS, from January 1, 2020 to December 31, 2022, is in the best interest of the University and its investment goals.

Mr. Wittenberg is currently the Chief Investment Officer of the Michigan based \$8 billion W. K. Kellogg Foundation and brings a unique set of skills and experience to the IAS, provides valuable advice to the CIO and the recently formed Investment Office, and provides knowledgeable, objective, and independent advice to members of the Committee on Budget and Finance and the CIO.

This will be Ms. Titarchuk's first term on the IAS from January 1, 2020 to December 31, 2022. Ms. Titarchuk is currently the Chief Investment Officer of New York State's Common Retirement fund, a \$210 billion public pension. Prior to her appointment in August 2019, she was Deputy CIO since February 2015. She joined the fund in 2011. Recently, she led the investment engagement with the Decarbonization Advisory Panel, the first of its kind for a public pension fund, which was formed by Governor Andrew Cuomo and Comptroller DiNapoli in 2018. She also led the development of the Sustainable Investments and Climate Solutions program. She started her career on Wall Street in 1998. Prior to joining the Fund, she worked in a variety of leadership roles at Bank of America, Barclays Capital and Lehman Brothers, and JP Morgan. Ms. Titarchuk was named as a 2015 Hedge Fund Rising Star by Institutional Investor Magazine. She graduated summa cum laude from Yale University with a B.S. in Applied Mathematics.

The President and Vice President for Finance and Treasurer endorse these recommendations.

cc: Board of Trustees, S. Stanley, T. Sullivan, B. Quinn, K. Wilbur, N. Barr, M. Zeig, M. Haas, J. Rayis

MICHIGAN STATE
U N I V E R S I T Y

December 13, 2019

MEMORANDUM

To: Committee on Budget and Finance

From: Mark P. Haas *Mark P. Haas*
Vice President for Finance and Treasurer

Subject: Fund Functioning as an Endowment
Selma and Stanley Hollander Quality, Excellence, and
Opportunity Endowment in the College of Music

RECOMMENDATION

The Trustee Committee on Budget and Finance recommends that the Board of Trustees establish a fund functioning as an endowment to provide support for the College of Music.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby establishes a fund functioning as an endowment entitled "Selma and Stanley Hollander Quality, Excellence, and Opportunity Endowment in the College of Music."

BACKGROUND

The initial \$375,000 to establish the "Selma and Stanley Hollander Quality, Excellence, and Opportunity Endowment in the College of Music" (the "Fund") will be transferred from the College of Music's discretionary fund. Additional restricted gifts can be added to the Fund.

The spending policy distributions will be used to provide support for the College of Music at the discretion of its Dean.

Interim Provost Teresa Sullivan has approved this recommendation from Dr. James B. Forger, Dean of the College of Music.

cc: Board of Trustees, S. Stanley, T. Sullivan, B. Quinn, K. Wilbur, N. Barr,
M. Zeig, J. Rayis, L. Adams, M. Heil, S. Harwood, J. Forger



OFFICE OF THE
**VICE PRESIDENT FOR
FINANCE**

Mark P. Haas
Vice President for Finance
and Treasurer

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 412
East Lansing, Michigan
48824

Phone 517.355.5014
Fax 517.353.6772
www.finance.msu.edu

**MICHIGAN STATE
UNIVERSITY**

December 13, 2019

MEMORANDUM

To: Committee on Budget and Finance

From: Samuel L. Stanley, Jr., M.D. *SLS*
President

Subject: Long-Term Ground Lease with the MSU Foundation

RECOMMENDATION

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to enter into a long-term ground lease and development agreement with the MSU Foundation, for approximately five acres of land within the Spartan Village redevelopment area.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to enter into a long-term ground lease of approximately five acres with the MSU Foundation, a development agreement and all other documents required in connection there with, upon such terms and conditions as may be acceptable to the President or his designee.



**Office of the
President**

Hannah Administration Building
426 Auditorium Road, Room 450
East Lansing, MI 48824

517-355-6560
Fax: 517-355-4670
president.msu.edu

BACKGROUND

Michigan State University recently launched an initiative to reinvigorate the former Spartan Village site into a mixed-use development. This initiative was created to meet the long-term needs of the University as it relates to scholarship, research, engagement and outreach, talent attraction and retention, research commercialization, and corporation partnerships. The transformation of this site will leverage other assets in that area to create a destination where education, health and well-being, discovery, and innovation converge.

Entering into a long-term ground lease and development agreement with the MSU Foundation will facilitate strategic collaborations with regard to the construction of the project.

cc: Board of Trustees, T. Sullivan, N. Barr, M. Zeig, B. Quinn, K. Wilbur, D. Bollman, V. Gore, M. Haas, L. Adams, J. Gaboury, B. Kranz, C. Leese, M. McCabe, J. Mumma, J. Rayis, C. Reid, D. Washburn



The highlighted area reflects from where approximately 5 acres will be cut in alignment with the response to the RFP.

MICHIGAN STATE
UNIVERSITY
December 13, 2019

MEMORANDUM

To: Committee on Budget and Finance

From: Samuel L. Stanley, Jr., M.D.
President SLS

Subject: **Project Approval - Authorization to Proceed**
Business College Complex - Eppley Center - Student Support
and Capital Renewal

RECOMMENDATION

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to proceed with capital renewal and relocation of student support activities at the Eppley Center of the Business College Complex.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled "Business College Complex - Eppley Center - Student Support and Capital Renewal" with a total budget of \$10,300,000.

BACKGROUND

The south wing of the Business College Complex (Eppley Center) was originally constructed in 1961. The Board authorized the Administration to plan for capital renewal in February 2018 and revised this to authorize the expansion of the scope to include student support spaces and the building envelope in September 2019. Through the planning process, the capital renewal mechanical system improvements, relocation of the student support program, and feasibility of updating the building's envelope were considered. As a result of this planning, two of the three potential projects at Eppley are recommended to proceed: mechanical system improvements and student support program relocation.

With regard to capital renewal, the mechanical systems at Eppley are at the end of their useful life, can no longer be operated or maintained efficiently, and would be replaced. These improvements will result in better air distribution, occupant comfort, and energy savings.



**Office of the
President**

Hannah Administration
Building
426 Auditorium Road, Room 450
East Lansing, MI 48824

517-355-6560
Fax: 517-355-4670
president.msu.edu

With regard to student support spaces, completion of the Edward J. Minskoff Pavilion resulted in vacated space in Eppley, giving the College the opportunity to realign and consolidate high priority programmatic needs that will bring together undergraduate advising and related services; and computer labs in one cohesive location and in proximity to other student focused space and programs in the Pavilion.

Description of Project:

Eppley Center is located on Shaw Lane in the central academic district. The capital renewal project includes replacing air handler equipment and duct work for the entire Eppley Center, including variable frequency drive, new motors, and fans for all variable air volume boxes at selected locations; updating life safety including fire alarm and fire suppression; asbestos abatement; and replacement of ceilings and light fixtures with LED fixtures. The programmatic component of the project will renovate the first and second floors of the Eppley Center and include demolition and construction of new advising offices, associated support spaces and computer labs including new flooring, power, data, painting, and furniture. The project also includes temporary relocation of the Eppley Center occupants.

The Construction Manager is Clark Construction Company. The Architect/Engineer is Fishbeck.

Communication Feedback:

Members of the campus community had opportunities to provide feedback during the planning phase. Any concerns they expressed have been addressed in the project design.

The Campus Infrastructure Planning Work Group supports the recommendation to proceed with the project.

As construction proceeds, the schedule will be shared with the campus community.

Project Cost and Timetable:

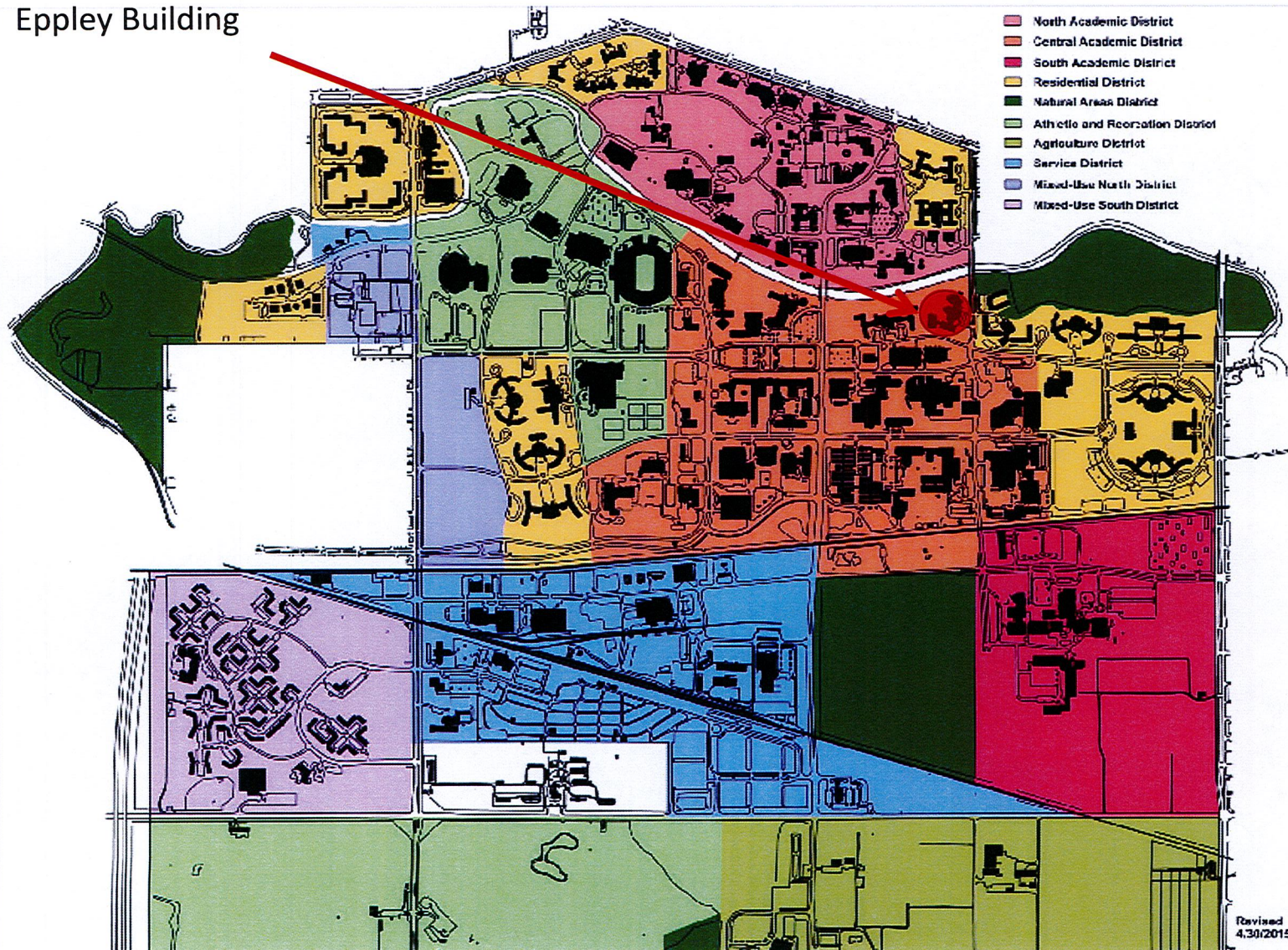
The budget for this Construction Management project is \$10,300,000 with a contingency of \$1,008,500. The capital renewal portion of the project will be funded from general fund-capital renewal (approximately \$7.3 million). The programmatic renovations will be funded from gifts to the College of Business (approximately \$3 million). The entire project may be debt financed with debt repayment from the above sources.

Construction is expected to begin in May 2020, with substantial completion in December 2020.

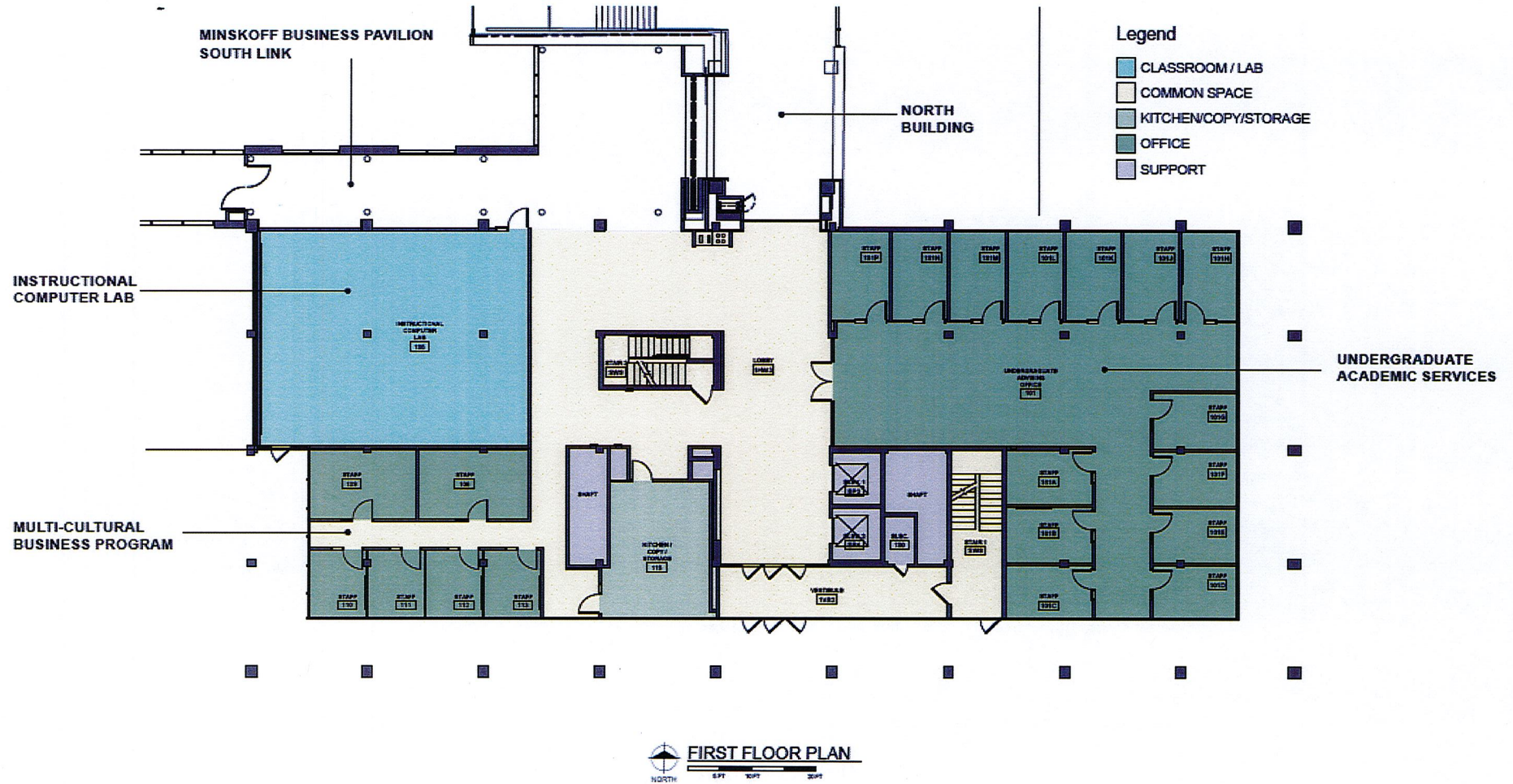
cc: Board of Trustees, T. Sullivan, K. Wilbur, N. Barr, M. Zeig, B. Quinn, D. Bollman, V. Gore, M. Haas, J. Gaboury, B. Kranz, M. McCabe, J. Mumma, J. Rayis, L. Adams, K. Oosterhoff, C. Leese, L. Senecal, S. Gupta

Authorization to Proceed – Business College Complex – Eppley Center - Student Support and Capital Renewal

Eppley Building



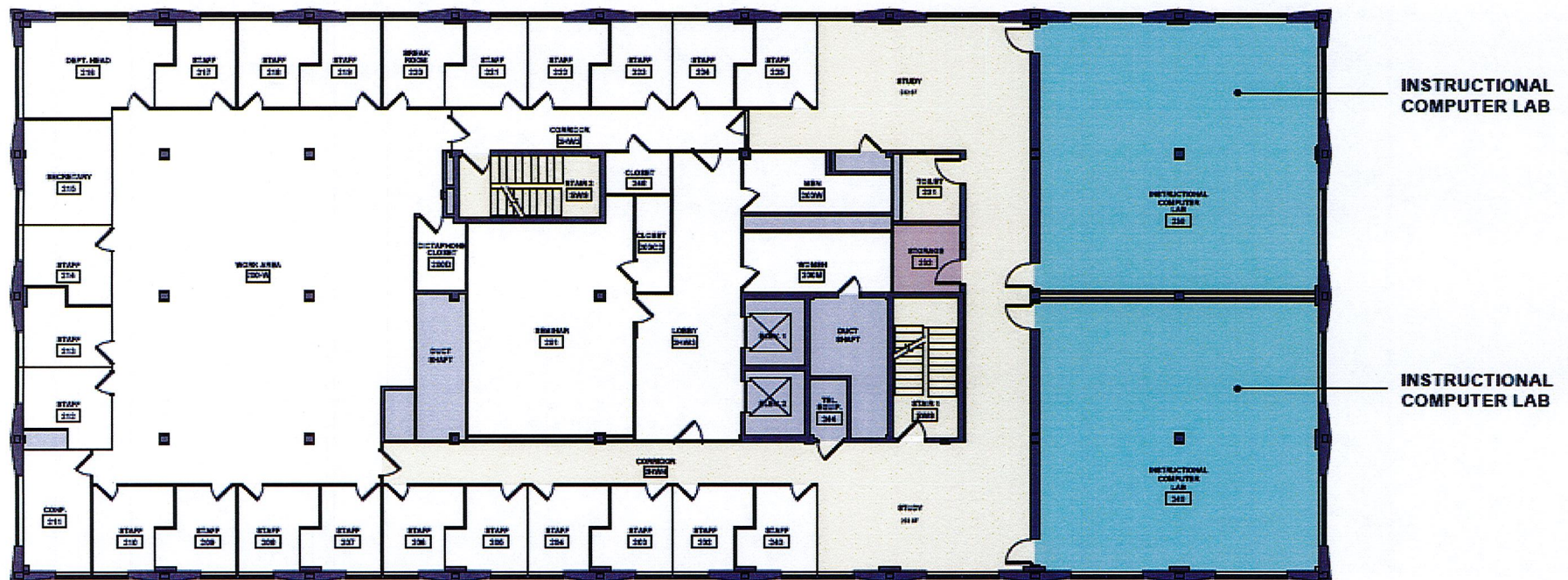
Proposed 1st floor plan



Proposed 2nd floor plan

Legend

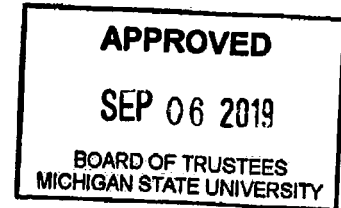
- CLASSROOM / LAB
- COMMON SPACE
- STORAGE
- SUPPORT



 **SECOND FLOOR PLAN**
NORTH 0 FT 10 FT 20 FT

**MICHIGAN STATE
UNIVERSITY**

September 6, 2019



MEMORANDUM

To: Committee on Budget and Finance

From: Daniel J. Bollman *Daniel J. Bollman*
Vice President for Strategic Infrastructure Planning and
Facilities

Subject: **Authorization to Plan**
Business College Complex - Eppley Center - Student Support,
Capital Renewal, and Building Envelope (*revised*)

RECOMMENDATION

The Trustee Committee on Budget and Finance recommends that the Board of Trustees authorize the Administration to plan for capital renewal, relocation of student support activities, and potential replacement of the building envelope at the Eppley Center of the Business College Complex.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "Business College Complex - Eppley Center - Student Support, Capital Renewal, and Building Envelope."

BACKGROUND

Program Need:

The Administration originally brought the capital renewal portion of this project to the Board for authorization to plan in February 2018 as a coordination opportunity associated with the Edward J. Minskoff Pavilion. The Pavilion was recently completed and opened in August 2019.

The south wing of the Business College Complex (Eppley Center) was originally constructed in 1961. Eppley's mechanical systems are at the end of their useful life and can no longer be operated or maintained efficiently. These capital renewal improvements will result in better air distribution, occupant comfort, and energy savings.



Office of the
Vice President
for Strategic
Infrastructure
Planning and
Facilities

Daniel J. Bollman
Vice President

Infrastructure Planning
and Facilities Building
Michigan State University
1147 Chestnut Road
Room 101
East Lansing, MI 48824

517-355-3386
Fax: 517-353-8358
ipf.msu.edu

As planning for the capital renewal improvements proceeded, it became clear that capital renewal needs were more extensive than anticipated. The project cost increased and it was determined that the building would need to be unoccupied during construction. During the planning process, it also became apparent that improvements were needed to address programmatic needs and there was a desire to update the building's envelope. The revised Authorization to Plan encompasses the expanded scope of the project.

Completion of the Pavilion results in vacated space in the Epley Center, giving the College the opportunity to realign and consolidate student support services on the first and second floors. The proposed renovations would focus on bringing together undergraduate advising and related services in one cohesive location and in proximity to other student focused space and programs in the Pavilion.

Planning is also requested for the replacement of the building envelope (exterior stone panels and windows) of the Epley Center. The current exterior does not compliment the newly built Edward J. Minskoff Pavilion and there is interest among donors to achieve a more unified physical presence for the College of Business.

While these proposed projects can stand-alone, there are benefits to coordination, including construction mobilization, design integration, project delivery, and minimization of disruption to the College. Relocation of people and programs from the Epley Center will be required for the HVAC, exterior stone panel, and window replacement projects.

General Description of the Project:

As planning continues, the capital renewal HVAC project is anticipated to include replacing air handler equipment and duct work for the entire Epley Center, including variable frequency drive, new motors, and fans for all variable air volume boxes at selected locations; updating life safety including fire alarm and fire suppression; asbestos abatement; and replacement of ceilings and light fixtures with LED fixtures. First and second floor renovations would include demolition and construction of new advising offices and associated support spaces and computer labs including new flooring, power, data, painting, and furniture. The planning team will also evaluate the replacement of the exterior stone panels and windows to provide a more unified physical presence for the Epley Center within the context of the north and pavilion additions.

The project is located Shaw Lane in the south academic district. The location is consistent with the Campus Land Use Master Plan.

Communication Plan:

Input will be solicited from the campus community during the planning phase.

Preliminary Project Cost Information

Based on cost experience for similar projects and current pricing information, the preliminary project cost estimate for the Capital Renewal (HVAC) and first and second floor renovations is \$10,000,000 - \$12,000,000. The replacement of the exterior stone panels and windows is estimated at an additional \$8,000,000 to \$9,000,000. These estimates may change as the project and its scope are refined during the planning process.

The source of funds for the project(s) is expected to be from a combination of general fund-capital renewal and gifts to the College of Business, and/or debt financing with debt repayment from the same sources.

cc: Board of Trustees, S. Stanley, S. Udpa, J. Youatt, K. Wilbur, N. Barr, M. Zeig, B. Quinn, V. Gore, M. Haas, L. Adams, J. Gaboury, B. Kranz, C. Leese, M. McCabe, J. Mumma, J. Rayis, L. Senecal, K. Oosterhoff, S. Gupta

CP18003

**MICHIGAN STATE
UNIVERSITY**

February 5, 2018

MEMORANDUM



To: Trustee Finance Committee

From: Daniel J. Bollman *Daniel J. Bollman*
Associate Vice President for Strategic Infrastructure Planning
and Facilities

Subject: Authorization to Plan
Business College Complex - Eppley Center - Capital Renewal

RECOMMENDATION

The Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for capital renewal infrastructure improvements for the Eppley Center.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to plan for the project entitled "Business College Complex - Eppley Center - Capital Renewal."

BACKGROUND

Program Need:

The south wing of the Business College Complex (Eppley) was originally constructed in 1961. Eppley's mechanical systems are at the end of their useful life and can no longer be operated or maintained efficiently. These improvements will result in improved air distribution and occupant comfort and provide energy savings. The Board approved a three-story addition to the west wing of the Eppley Center in April of 2017, and that construction is currently taking place. Coordination of needed capital renewal infrastructure improvements with the construction of the addition provides an opportunity to complete this work and reduce future disruption to the business college complex.



Office of the
Vice President
for Strategic
Infrastructure
Planning and
Facilities

Daniel J. Bollman
Associate Vice President

Infrastructure Planning
and Facilities Building
Michigan State University
1147 Chestnut Road
Room 101
East Lansing, MI 48824

517-355-3366
Fax: 517-353-0358
ipf.msu.edu

General Description of the Project:

As planning begins, the project is anticipated to include replacing air handler equipment and duct work for the entire Epley Center, including variable frequency drive and new motors and fans for all variable air volume boxes at selected locations. The project will also update the property's life safety features including fire alarm and fire suppression. Finally, the project will include demolition, asbestos abatement, and replacement of ceilings and light fixtures with LED fixtures.

Epley Center is located on Shaw Lane in the central academic district. The project will be consistent with the Campus Land Use Master Plan.

Communication Plan:

Input will be solicited from the campus community during the planning phase.

Preliminary Project Cost Information:

Based on cost experience for similar projects and current pricing information, the preliminary project cost estimate is \$4,100,000 - \$4,500,000. This estimate may change as the project and its scope are refined during the planning process.

The source of funds for the project is expected to be general fund - capital renewal or debt financing with debt repayment from the general fund - capital renewal.

cc: Trustee Policy Committee, J. Engler, J. Youatt, S. Udpa, B. Beekman, R. Noto, V. Gore, M. Haas, J. Gaboury, J. Rayis, L. Adams, B. Kranz, M. McCabe, J. Mumma, K. Watson, S. Gupta

TRUSTEE COMMITTEE ON ACADEMIC AFFAIRS

Friday, December 13, 2019

Administration Building

I. Action Items

Law College Board Appointments

Attachment 1

MICHIGAN STATE
U N I V E R S I T Y

December 13, 2019

MEMORANDUM

TO: MSU Board of Trustees

FROM: Teresa A. Sullivan, Interim Provost and Executive Vice President for
Academic Affairs *Teresa A. Sullivan*

RE: Law College Board Appointments

Attached is a current list of MSU Board of Trustees' appointees to the Law College Board. Please note that Trustee McNamara and Morganroth's appointments end this year and replacements or reappointments need to be processed by the first of the year, 2020.

Please also note that MSU and the Law College have set August 15, 2020 as the target date for completion of the full integration of the Law College into MSU as one of its constituent colleges. That timing may change, depending on the timing of receipt of the requisite external approvals. Following the integration, the Law College will dissolve, at which point the Law College's Board of Trustees will cease to exist as a fiduciary body. Post-integration, the Law College's Board of Trustees may be reconstituted in some form as an advisory council to the Dean of MSU's constituent College of Law; however, the role and composition of any such advisory council is not certain at this time. In any event, service as a member of the Law College's Board of Trustees prior to the Law College's dissolution does not ensure service as a member of any advisory council to the Dean of MSU's constituent College of Law following the integration.



**OFFICE OF THE
PROVOST**

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824

Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

cc: President Samuel Stanley, Jr.
Secretary Nakia Barr
Senior Vice President Steve Hsu
Acting Vice President Brian Quinn

TRUSTEE COMMITTEE ON AUDIT, RISK, AND COMPLIANCE

Friday, December 13, 2019

Administration Building

I. Action Items

Conflict of Interest

Approval of contract terms:

Attachment 1

- a. Cove Diamond, LLC – License Agreement*
- b. Great Lakes Crystal Technologies, Inc. – License Agreement*
- c. Mid Michigan Research, LLC – Sponsored Research Agreement
(fuel development)*
- d. Mid Michigan Research – Sponsored Research Agreement
(fuel testing)*
- e. NamesforLife, LLC – Amended License Agreement*

Intent to negotiate a contract:

Attachment 2


- a. Dr. Christopher Waters and SynCrobial Therapeutics*
- b. Dr. Sharon Leon and Corporation of Digital Scholarship*

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan 
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Cove Diamond, LLC*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Cove Diamond, LLC*, a company in which MSU faculty member Dr. Timothy Grotjohn holds a financial interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a license agreement with *Cove Diamond, LLC* consistent with earlier public notice given at a Board meeting and with a "License Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Cove Diamond, LLC*, a Michigan limited liability company, was given at the Board of Trustees meeting on June 21, 2019. The terms of a license agreement are now presented for Board approval.

Dr. Timothy Grotjohn, Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "License Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Cove Diamond, LLC*.

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg



**OFFICE OF THE
PROVOST**

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824

Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

LICENSE AGREEMENT TERM SHEET

Party:	Cove Diamond, LLC
Agreement:	Non-Exclusive License in the field of lab-grown diamonds
Technology:	<p>MSU TEC2007-0078 "Process and Apparatus for Diamond Synthesis," US Patent Nos. 9,487,858 and 9,732,440; TEC2010-0076 "N-Doped Single Crystal Diamond Substrates and Methods Therefor," US Patent No. 9,166,002; TEC2014-0115 "Methods and Apparatus for Microwave Plasma Assisted Chemical Vapor Deposition Reactors," US Patent Application 15/313,250; TEC2015-0061 "Diamond Deposition Reactor Improvements," US Patent Application 15/463,046; and TEC2018-0100 "Method to Fabrication of Large Area Diamond Substrate," PCT Patent Application PCT/US2019/032602.</p> <p>The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.</p>
Term:	Effective Date – to the last to expire of the patents
Potential Commercial Application:	Lab-grown diamonds and related devices
Payment Terms:	\$1,000 to MSU within 30 days of the effective date; \$4,000 milestone payments, annual minimums beginning 2021 and 2.0-4.0% on net sales; reimbursement of patent costs
Services Provided:	<p>By MSU to Cove Diamond, LLC: None contemplated under the agreement</p> <p>By Cove Diamond, LLC to MSU: None contemplated under the agreement</p>

Organization Type: Michigan limited liability company


Personnel Interest: Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan 
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Great Lakes Crystal Technologies, Inc.*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Great Lakes Crystal Technologies, Inc.*, a company in which MSU faculty member Dr. Timothy Grotjohn holds a financial interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a license agreement with *Great Lakes Crystal Technologies, Inc.* consistent with earlier public notice given at a Board meeting and with a "License Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Great Lakes Crystal Technologies, Inc.*, a Michigan company, was given at the Board of Trustees meeting on September 6, 2019. The terms of a license agreement are now presented for Board approval.

Dr. Timothy Grotjohn, Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "License Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Great Lakes Crystal Technologies, Inc.*

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes, K. Wilbur, B. Quinn, C. Berg



OFFICE OF THE
PROVOST

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824

Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

LICENSE AGREEMENT TERM SHEET

Party: Great Lakes Crystal Technologies, Inc.

Agreement: Non-Exclusive License in the field of lab-grown diamonds

Technology: MSU TEC2007-0078 "Process and Apparatus for Diamond Synthesis," US Patent Nos. 9,487,858 and 9,732,440; TEC2010-0076 "N-Doped Single Crystal Diamond Substrates and Methods Therefor," US Patent No. 9,166,002; TEC2014-0115 "Methods and Apparatus for Microwave Plasma Assisted Chemical Vapor Deposition Reactors," US Patent Application 15/313,250; TEC2015-0061 "Diamond Deposition Reactor Improvements," US Patent Application 15/463,046; and TEC2018-0100 "Method to Fabrication of Large Area Diamond Substrate," PCT Patent Application PCT/US2019/032602.

The parties may add or remove technologies under the agreement, including improvements generated under a separate sponsored research agreement, provided the change does not affect the financial consideration of the parties or the nature or extent of any pecuniary interest of MSU personnel.

Term: Effective Date – to the last to expire of the patents

Potential Commercial Application: Lab-grown diamonds and related devices

Payment Terms: \$1,000 to MSU within 30 days of the effective date; \$4,000 milestone payments, annual minimums beginning 2021 and 2.0-4.0% on net sales; reimbursement of patent costs

Services Provided: By MSU to Great Lakes Crystal Technologies, Inc.:
None contemplated under the agreement

By Great Lakes Crystal Technologies, Inc. to MSU:
None contemplated under the agreement

Organization Type: Michigan company

Personnel Interest: Dr. Timothy Grotjohn, a Professor in the Department of Electrical and Computer Engineering and members of his family own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan *Teresa A. Sullivan*
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Mid Michigan Research, LLC*
(*fuel development*)

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Mid Michigan Research, LLC*, a company in which MSU faculty member Dr. Harold J. Schock holds a financial interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Mid Michigan Research, LLC* consistent with earlier public notice given at a Board meeting and with a "Sponsored Research Agreement Term Sheet" now presented to the Board for inclusion in its minutes.



**OFFICE OF THE
PROVOST**

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824

Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Mid Michigan Research, LLC*, a Michigan company based in Holland, Michigan, was given at the Board of Trustees meeting on February 12, 2003. The terms of a sponsored research agreement are now presented for Board approval.

Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Mid Michigan Research, LLC*.

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,
K. Wilbur, B. Quinn, C. Berg

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: Mid Michigan Research, LLC

Agreement: Fuel development by MSU as a subrecipient under a US Department of the Army grant

Term: Effective Date – April 7, 2020

Potential Commercial Application: Fuel development for jet fired engines

Payment Terms: \$25,000 to MSU in fees for service

Services Provided: By MSU to Mid Michigan Research, LLC: provide a light fraction for testing and provide designs for on-board and off-board fractionators

By Mid Michigan Research, LLC to MSU: None contemplated under the agreement

Use of University Facilities/Personnel: Work to be performed at MSU's Engineering Building by, or supervised by, Dr. Carl Lira

Organization Type: Michigan limited liability company

Personnel Interest: Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family, own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan *Teresa A. Sullivan*
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *Mid Michigan Research, LLC*
(*fuel testing*)

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *Mid Michigan Research, LLC*, a company in which MSU faculty member Dr. Harold J. Schock holds a financial interest.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a sponsored research agreement with *Mid Michigan Research, LLC* consistent with earlier public notice given at a Board meeting and with a "Sponsored Research Agreement Term Sheet" now presented to the Board for inclusion in its minutes.

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *Mid Michigan Research, LLC*, a Michigan company based in Holland, Michigan, was given at the Board of Trustees meeting on February 12, 2003. The terms of a sponsored research agreement are now presented for Board approval.

Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family own or have options to buy an ownership interest of more than 1% of the company.

The attached "Sponsored Research Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *Mid Michigan Research, LLC*.

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,
K. Wilbur, B. Quinn, C. Berg



**OFFICE OF THE
PROVOST**

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824

Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

SPONSORED RESEARCH AGREEMENT TERM SHEET

Party: Mid Michigan Research, LLC

Agreement: Testing of fuel by MSU as a subrecipient under a US Department of the Army grant

Term: Effective Date – April 7, 2020

Potential Commercial Application: Testing of fuel in a jet fired engine

Payment Terms: \$15,000 to MSU in fees for service

Services Provided: By MSU to Mid Michigan Research, LLC: testing of JP-8 fuel in a jet fired engine

By Mid Michigan Research, LLC to MSU: None contemplated under the agreement

Use of University Facilities/Personnel: Work to be performed at MSU's Engineering Building by, or supervised by, Guoming Zhu

Organization Type: Michigan limited liability company

Personnel Interest: Dr. Harold J. Schock, a Professor in the Department of Mechanical Engineering, and members of his family, own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan *Teresa A. Sullivan*
Interim Executive Vice President and Provost

Subject: Approval of Contract Terms: *NamesforLife, LLC*

RECOMMENDATION

The Trustee Committee on Audit, Risk and Compliance recommends that the Board of Trustees approve a contract between Michigan State University and *NamesforLife, LLC*, a company in which MSU faculty members Dr. George Garrity and Dr. James Cole hold financial interests.

RESOLUTION

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves an amended license agreement with *NamesforLife, LLC* consistent with earlier public notice given at a Board meeting and with an "Amended License Agreement Term Sheet" now presented to the Board for inclusion in its minutes.



OFFICE OF THE PROVOST

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824

Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

BACKGROUND

In compliance with State law, public notice of the University's intent to negotiate contracts with *NamesforLife, LLC*, a Michigan limited liability company based in Okemos, Michigan, was given at the Board of Trustees meeting on January 14, 2005. The original exclusive license agreement was approved by the Board on December 11, 2009. The terms of an amended license agreement are now presented for Board approval.

Dr. George Garrity, a Professor in the Department of Microbiology and Molecular Genetics, Dr. James Cole, a Professor in the Center for Microbial Ecology, and members of their families own or have options to buy an ownership interest of more than 1% of the company.

The attached "Amended License Agreement Term Sheet" summarizes the agreement that MSU has negotiated with *NamesforLife, LLC*.

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,
K. Wilbur, B. Quinn, C. Berg, N. Beauchamp

AMENDED LICENSE AGREEMENT TERM SHEET

Party: NamesforLife, LLC

Agreement: Amendment to an Exclusive License Agreement

Technology: TEC2004-0007 "Systems and Methods for Resolving Ambiguity between Names and Entities" and TEC2003-0065 "Methods for Data Classification"

Term: Effective Date – until the last of the patents expire

Potential Commercial Application: Biological and medical applications

Payment Terms: Amended payment terms from the exclusive license agreement entered into on May 1, 2012 to reflect payment to MSU of 25% of sublicensing revenues (down from 50%) and minimum annual royalty of \$2,500 (down from \$10,000)

Use of University Facilities/Personnel: None contemplated under the agreement

Organization Type: Michigan limited liability company


Personnel Interest: Dr. George Garrity, a Professor in the Department of Microbiology and Molecular Genetics, Dr. James Cole, a Professor in the Center for Microbial Ecology, and members of their families, own or have options to buy an ownership interest of more than 1% of the company.

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan 
Interim Executive Vice President and Provost

Subject: Notice of Intent to Negotiate Contracts with *SynCrobial Therapeutics, Inc.*

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance is requested to give public notice of the University's intent to negotiate contracts with *SynCrobial Therapeutics, Inc.*, a Michigan company. Dr. Christopher Waters, a Professor in the Department of Microbiology and Molecular Genetics, and members of his family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

As negotiations progress, detailed information about proposed contracts with *SynCrobial Therapeutics, Inc.* will be provided to the Board for its review in accordance with State law.



**OFFICE OF THE
PROVOST**

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,
K. Wilbur, B. Quinn, C. Berg, N. Beauchamp

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824


Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

MICHIGAN STATE
UNIVERSITY

December 13, 2019

MEMORANDUM

To: Committee on Audit, Risk and Compliance

From: Teresa A. Sullivan 
Interim Executive Vice President and Provost

Subject: Notice of Intent to Negotiate Contracts with *Corporation of Digital Scholarship*

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance is requested to give public notice of the University's intent to negotiate contracts with *Corporation of Digital Scholarship*, a Virginia corporation. Dr. Sharon Leon, an Associate Professor in the Department of History, and members of her family, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

As negotiations progress, detailed information about proposed contracts with *Corporation of Digital Scholarship* will be provided to the Board for its review in accordance with State law.



**OFFICE OF THE
PROVOST**

Michigan State University
Hannah Administration Building
426 Auditorium Road, Room 430
East Lansing, Michigan 48824

Phone: 517-355-6550
Fax: 517-355-9601
provost.msu.edu

cc: Board of Trustees, S. Stanley, N. Barr, M. Zeig, S. Hsu, B. Mattes,
K. Wilbur, B. Quinn, C. Berg