MINUTES OF THE MEETING OF THE MICHIGAN STATE UNIVERSITY BOARD OF TRUSTEES

October 30, 2020

President Stanley called the meeting of the Board of Trustees to order at 8:05 a.m.

Trustees present: Dianne Byrum, Joel Ferguson, Melanie Foster, Dan Kelly, Renee Knake Jefferson, Brian Mosallam, Brianna Scott, and Kelly Tebay.

University officers present: President Stanley, Provost and Executive Vice President Woodruff; Executive Vice Presidents Beauchamp and Woo; Senior Vice President Gore; Vice President and General Counsel Quinn; Secretary Barr; Vice Presidents Bales, Beekman, Bollman, Byelich, Guerrant, Haas, Heil, Swain and Wilbur; and Interim Vice President Gage. Faculty liaisons present: Richard Fulton, Jennifer Johnson, Andrea Kepsel, and Anna Pegler-Gordon. Student liaisons present: Meagan Abel, Abii-Tah Bih, Kaitlyn Bolton, and Javier Wilson.

All actions taken were by unanimous vote of the Trustees present, unless otherwise noted.

- 1. On a motion by Trustee Byrum, supported by Trustee Foster, the **BOARD VOTED** to approve the agenda.
- 2. On a motion by Trustee Kelly, supported by Trustee Byrum, the **BOARD VOTED to approve** the minutes of the September 11, 2020 Board of Trustees meeting.
- 3. Public Participation
 - a. Nancy Hollis-Releasing withheld emails
 - b. Thomas Munley Swimming and Diving
 - c. Michael Balow Swimming and Diving
 - d. Emma Inch Swimming and Diving
 - e. Madeline Reilly Swimming and Diving
 - f. Theodore Golden Report to OCR
- 4. President's Report

President Stanley provided the following report to the Board:

I want to thank our speakers this morning. Ending programs is one of most difficult decisions we make, and it is only done with a great deal of thought and concern. I know that was the case here with swimming and diving. This decision was prompted by our athletic department's past and present financial circumstances.

which have resulted in our inability to provide the facilities and additional resources to give our swimmers a chance to be truly competitive in their sport. Just to give you an example, with the closure of the outdoor pool, MSU became the only Big Ten school without a 50-meter pool to train for Olympic events, something which significantly hampered recruitment. These 67-outstanding student-athletes will have the opportunity to swim this season. And, after the season is over, we will continue to support the swimmers and their coaches, including honoring their scholarships and contracts, and we will provide every assistance to everyone wishing to transfer and swim elsewhere.

I now want to update you on two issues related to diversity, equity and inclusion, or DEI. Earlier this year, we announced our commitment to introduce a DEI educational requirement for everyone at Michigan State University including faculty, students and staff. DEI Foundations, as we are calling this course at MSU, introduces core DEI principles to help develop a common understanding of how we all can work together for a safe, welcoming, respectful and inclusive university. I want to thank all the Board of Trustees members who are setting a great example by agreeing that they, too, will take this course. The Office for Inclusion and Intercultural Initiatives is now starting to offer the course throughout the campus, so please pay attention to your email boxes as we roll this out.

Earlier this month, I announced Dr. Jabbar R. Bennett as MSU's inaugural Vice President and Chief Diversity Officer after a national search. Pending approval by the Board, he will start Dec. 1, 2020. The search committee, including faculty, staff and students, worked incredibly hard to make every step of the search process as open and inclusive as possible. I want to give special thanks to Dean Chris Long of the College of Arts and Letters and Dr. Melissa Woo, the Executive Vice President for Administration and Chief Information Officer at MSU, for leading the search. I am certain Dr. Bennett will help us transform equity and inclusion across our university.

We have been learning much about how to educate safely amid the pandemic, both on and off campus during this fall semester. Our protocols for safe on-campus housing and classes, like the protocols that drove our return to full on-campus research, have proved effective to date and we believe we can return more students to campus in the spring semester. In the fall, we held only about 40 inperson classes. This spring, we hope to offer about 400. We are prioritizing classes like laboratories and studio courses that need to be taught in person and are often required courses for graduation. One thing that will not change in the spring is that the very large lecture classes that do not allow for social distancing will still be offered only online or as hybrids. As part of this expansion, approximately 2,500 more residence hall spaces will be available to students who want or need to live on campus. These will remain single rooms only for the spring. We will require participation in the COVID-19 Early Detection Program for students living on campus and undergraduates coming to campus for work or classes during the spring semester. Undergraduate classes will start as scheduled Jan. 11, 2021.

We will join most other universities around the nation in not having spring break to mitigate the recognized risk associated with large numbers of students leaving and returning to campus in the middle of the semester. However, we are featuring four new days off during the semester to provide a very much-needed break to students by including two consecutive days without classes in the first week of March and two consecutive days without classes before finals. Undergraduate instruction will end April 23, 2021, finals will be held one week earlier than normal and will be followed by a weeklong period for graduation ceremonies, providing for a shortened semester. Graduate and professional students may have different schedules, and I urge them to check with their colleges.

U.S. News & World Report recently ranked MSU among top 100 institutions worldwide and top 50 public universities in the United States. Twenty-seven of our programs also ranked globally, up from 21 in the previous ranking. Plant and Animal Science improved one spot to number seven. Economics and Business improved seven spots to number 29. And earlier this year, several MSU programs were ranked by U.S. News among best in the nation. Our undergraduate supply chain management was number one among public and private universities for the 10th consecutive time. And MSU's graduate supply chain program has been nation's top program since surpassing MIT four years ago.

I want to congratulate MSU Debate for its top finish at Wayne State's online invitational tournament last weekend. MSU Debate has not only seen success in debating but has been developing online capabilities since before the pandemic to expand access and cut travel costs for debate teams. They are now partnering with the National Association of Urban Debate Leagues to expand access to competitive debate to traditionally underserved communities.

Since we last met, MSU has lost some dear friends. Many knew Father Jake Foglio, an alumnus, former faculty member and mentor to MSU student-athletes and coaches, who passed away October 5, 2020 at age 91. The first Chair in Spirituality at a U.S. public university was created by the College of Arts and Letters in his name. More recently we learned of the passing of Peter Secchia, an MSU business school graduate, philanthropist, Grand Rapids community leader and stalwart supporter of MSU. He helped drive the expansion of the College of Human Medicine in Grand Rapids, the College's Secchia Center, which includes classrooms and a conference center, observes its tenth anniversary on the Medical Mile this year. Other named MSU facilities include the Secchia Stadium for MSU Softball and Piazza Secchia, the entrance plaza southeast of the Breslin Center. He also endowed a staff position in athletics: the Secchia Family Defensive Coordinator. Peter and Father Foglio will be missed.

We are looking forward to the resumption of our football rivalry with the University of Michigan tomorrow. It is also Halloween, so we are making special efforts to urge people to avoid large gatherings. Last weekend, there were eight large parties in East Lansing that each resulted in a \$500 penalty for disobeying the

county health department's emergency order limiting gathering size. There have been 38 such violations issued to MSU students to date. All those violations have been entered into Dean of Students' disciplinary system, which has 52 cases pending now, and a number of students have been suspended. The health department this week tightened its order from prohibiting outdoor gatherings over 25 people in parts of East Lansing to 10 people, and we expect that Michigan State University will comply with these very important public health protocols. I want to thank all those students, faculty and staff at MSU who are following the safety guidance by wearing masks, limiting gatherings and following other precautions. I encourage everyone at MSU, East Lansing and in Ann Arbor this weekend to follow those same precautions.

I want to conclude with two things I want to encourage you to do. I am encouraging everyone this season to protect themselves, their families and community by getting a flu shot. As COVID cases rise, suppressing influenza is especially critical to preserve vital health resources and avoid the possibility of being infected with two potentially lethal diseases at the same time. And finally, Tuesday is election day. I am encouraging all Spartans to vote. It is both a right and a responsibility.

That concludes my remarks.

5. Research Presentation

Interim Vice President Gage introduced Dr. Debra Furr-Holden, College of Human Medicine Flint, who gave the Board a presentation entitled "Five Years of Progress and Community Engaged Research at the MSU Flint Campus." (Appendix A)

6. Personnel Actions

Provost Woodruff presented the following personnel actions:

Bennett, Jabbar, AN – Vice President and Chief Diversity Officer, Office for Inclusion and Intercultural Initiatives, Executive Management, effective December 1, 2020.

Buchholz, Susan, AN – Professor, College of Nursing, with Tenure, effective November 1, 2020.

O'Halloran, Thomas, AY – Professor, Department of Microbiology and Molecular Genetics, College of Human Medicine, with Tenure, effective January 1, 2021.

Trustee Foster **moved to approve** the recommendations, with support from Trustee Byrum.

THE BOARD VOTED to approve the recommendations.

7. Committee on Budget and Finance

Trustee Foster presented the Trustee Budget and Finance Committee Report and the following recommendations and resolutions.

A. State of Michigan Fiscal Year (SFY) 2022 Five-Year Capital Outlay Plan

It was recommended that the Board of Trustees adopt Michigan State University's SFY Five-Year Capital Outlay Plan.

Action on the request authorizes the Administration to respond to the State of Michigan Budget Office reporting requirements. The report is due to the State Budget Office no later than October 30, 2020.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby adopts the State of Michigan Fiscal Year 2022 Five-Year Capital Outlay Plan. (Appendix B)

Trustee Foster **moved to approve** the recommendation, with support from Trustee Scott.

Given the challenges we are facing due to the pandemic, the state is not accepting major project requests for FY22, therefore this years' capital outlay process only includes the collection of five-year plans.

THE BOARD VOTED to approve the recommendation.

B. Project Approval—Authorization to Proceed—Veterinary Medical Center HVAC Replacement and Programmatic Renovations

It was recommended that the Board of Trustees authorize the Administration to proceed with capital renewal and programmatic improvements at the Veterinary Medical Center.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby authorizes the Administration to proceed with the project entitled "Veterinary Medical Center HVAC Replacement and Programmatic Renovations" with a total budget of \$10,600,000.

Trustee Foster **moved to approve** the recommendation, with support from Trustee Kelly.

These are capital renewal and programmatic improvements related to accreditation requirements for the college.

THE BOARD VOTED to approve the recommendation.

8. Committee on Academic Affairs

Trustee Byrum presented the Trustee Academic Affairs Committee Report.

The Committee on Academic Affairs received an IT Security Update from Melissa Woo, Executive Vice President of Administration and Chief Information Officer and Chief Information Security Officer Tom Siu. The Committee also received a reopening update from President Stanley.

9. Committee on Audit, Risk and Compliance

Trustee Kelly presented the Trustee Audit, Risk and Compliance Committee Report and the following recommendations and resolutions.

A. Acceptance of the Audited Financial Statements for the Year Ended June 30, 2020.

It was recommended that the Board of Trustees approve and make official the financial statements of the University.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby accepts the audited financial statements for the year ended June 30, 2020.

Trustee Kelly **moved to approve** the recommendation, with support from Trustee Foster.

Plante Moran issued a Clean opinion on MSU's FY20 financial statements.

THE BOARD VOTED to approve the recommendation.

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

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.

BE IT RESOLVED, that the Board of Trustees of Michigan State University hereby approves a service agreement with *Great Lakes Crystal Technologies*, Inc. consistent with earlier public notice and with a "Services Agreement Term Sheet" presented to the Board. (Appendix C)

Trustee Kelly **moved to approve** the recommendation, with support from Trustee Tebay.

THE BOARD VOTED to approve the recommendation.

C. Intent to Negotiate Contracts

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance gave public notice of the University's intent to negotiate contracts with *Motion Grazer AI*, a Michigan corporation. Madonna Benjamin, an Assistant Professor in Large Animal Clinical Sciences, College of Veterinary Medicine; Daniel D. Morris, an Associate Professor in the College of Engineering; and Michael Lavagnino, and Academic Specialist in the College of Engineering; and members of their families, have, or have options to buy, an interest in the company or are officers or paid employees of the company.

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance gave public notice of the University's intent to negotiate contracts with *STEP for Success LLC*, a Michigan limited liability company. Connie Sung, an Associate Professor in the College of Education, 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.

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance gave public notice of the University's intent to negotiate contracts with *Will Winn Games Inc.*, a Michigan corporation. Brian Winn, a Professor in the Department of Media and Information and Director of the Games for Entertainment and Learning Lab, 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.

Pursuant to State law, the Chair of the Trustee Committee on Audit, Risk and Compliance gave public notice of the University's intent to negotiate contracts with *MwAPATA Institute*, a Malawi Corporation—Not for Profit. Richard Mkandawire, a Specialist—Outreach-Fixed Term in International Studies and Programs, 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.

Committee on Student Life and Culture

Trustee Scott presented the Trustee Student Life and Culture Committee Report.

The Committee on Student Life and Culture received an update on the Multicultural Center from Senior Vice President Gore, joined by new Chief Diversity Officer Jabbar Bennett, and received an Athletics update from Athletic Director Beekman.

11. Chairperson's Report and Trustee Comments

Chairperson Byrum extended her sympathies to the Secchia family. She thanked the public speakers. Chairperson Byrum welcomed Jabbar Bennett to MSU. She recognized the ten students who are finalists for the Marshall, Mitchell, and General Rhodes Scholar awards. She also acknowledged the students who earned the Board of Trustees Scholarship Award over the summer: Julia Fro, Lindsey Goodrich, Hunter Hall, Natalie Kay, Tyler Lowery, Samantha Mclean, Brooklyn Roo, and Gabriel Wick. Chairperson Byrum congratulated Dr. Satish Udpa for being appointed by Governor Whitmer to the economic mobility council. She encouraged citizens to vote and referred them to the website msuvotes.msu.edu for resources.

Vice Chairperson Kelly offered his sympathies to the Secchia family and encouraged everyone to vote.

Trustee Ferguson recognized Peter Secchia for his support of MSU and offered condolences to his family. Trustee Ferguson thanked Chairperson Byrum and President Stanley for their work.

Trustee Foster offered her condolences to Ambassador Secchia's family. She stated that Peter had a larger than life personality and it was a pleasure to know him. Trustee Foster noted that Peter served his country not only as a Marnie, but as the United States Ambassador to Italy under the Bush Administration, was a great friend to President Gerald R. Ford, and was a national leader within the Republican party. He is going to be missed by many. Trustee Foster said that these are financially challenging times requiring difficult decisions as were expressed today. She noted that MSU is facing a budget deficit of \$147 million, as a best-case scenario, which causes difficult decisions to have to be made and implemented. She encouraged everyone in the community to exhibit civility and respect in the upcoming election.

Trustee Knake thanked the public speakers and those who sent emails and notes to the Board. She echoed the comments of Trustees Scott and Tebay during the research presentation regarding MSU's commitment to Flint, Michigan. Trustee Knake welcomed Jabbar Bennett to MSU. She thanked President Stanley and Provost Woodruff for their perseverance during the global pandemic and encouraged people to vote. She also encouraged people to continue wearing masks and remain vigilant.

Trustee Mosallam gave his condolences to the Secchia family and congratulated Jabbar Bennett on his appointment. He acknowledged the survivors and

committed to reading the unreleased documents. Trustee Mosallam stated that he will do what is right for MSU. He noted his support for Athletic Director Beekman and urged everyone to vote.

Trustee Scott extended condolences to the Secchia family. She welcomed Jabbar Bennett to MSU. Trustee Scott thanked the public speakers and said that she empathizes with the swimming and diving athletes and families. Trustee Scott congratulated Abii-Tah Bih, student liaison to the Board, for her academic accomplishments and encouraged people to vote.

Trustee Tebay thanked the public speakers and assured the members of the swimming and diving teams that their voices have been heard. Trustee Tebay encouraged everyone to continue safe practices and she encouraged everyone to check-in with their colleagues, neighbors and family members.

12. Request to Adjourn

On a motion by Trustee Ferguson, supported by Trustee Foster, **THE BOARD VOTED to adjourn** at 9:20 a.m.

Respectfully submitted,

Nakia Barr

Secretary of the Board of Trustees









The MSU-CHM Division of Public Health: Five Years of Progress and Community-Engaged Research in Flint

Presented to the MSU Board of Trustees October 30, 2020

Presented by Debra Furr-Holden, PhD
Director, Division of Public Health
Associate Dean for Public Health Integration
C.S. Mott Endowed Professor of Public Health
holdenc3@msu.edu
@DrDebFurrHolden



MSU-CHM Goals in Flint









Establish Flint as an education center for advanced degrees



Establish Flint's national reputation in community-engaged public health research, practice, and translation



Establish Flint in the College of Human Medicine vision and community campus model

Clinical Campus Expansion





Clinical Campus Expansion

(<60 students in 2010 to 120+ students in 2020)



Leadership in Medicine for the Underserved (LMU) moved to Flint in July 2011.

These students are among the most community involved students in the college.



Early Assurance Program for admission to CHM for well-prepared juniors

Kettering University, U of M Flint, Mott Community College

DPH Timeline with C.S. Mott







Initial proposal work begins

C.S. Mott board authorizes initial funding of proposal. Funding was available in October.

first DPH faculty started

Mar. 2011

June 2012

Jan. 2011

June 2011

Jan. 2015

C.S. Mott Board meeting with President Simon & Flint Hospital CEOs C.S. Mott board meets in executive session (no MSU or hospital representatives)

MICHIGAN STATE UNIVERSITY

College of Human Medicine

Research Program Goals









Attract/retain a core of NIHfunded and acclaimed researchers

Track-record of accomplishment, promising early stage investigators, community-driven areas of focus



Community voice at the forefront

Flint Public Health Research Advisory Committee (FPHRAC); 29 community and university members



Participatory processes and feedback

CHM faculty/staff attended/held 100+ community meetings. Collected data from 1000+ Flint area residents

The Research Imperative



There was a clear interest from the Committee in focusing on solutions rather than simply chronicling "what is."

The college brought a first consultant to Flint in June 2012 to meet with FPHRAC and the community as the first step in the process of hiring 6-7 researchers who would focus on the areas identified by FPHRAC.

Major Research Foci









Community-Based Participatory Research (CBPR)



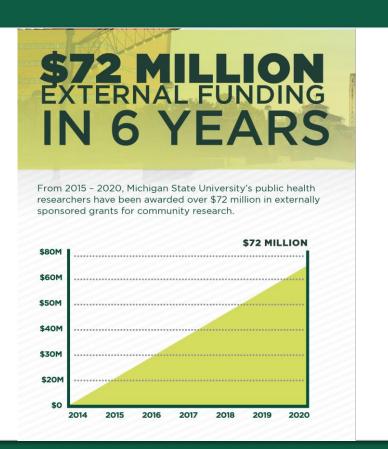
Behavioral Health Interventions for Vulnerable Populations



Health Equity/Social Determinants of Health



Policy and Translational Research and Practice





Impact to Date



College of Human Medicine



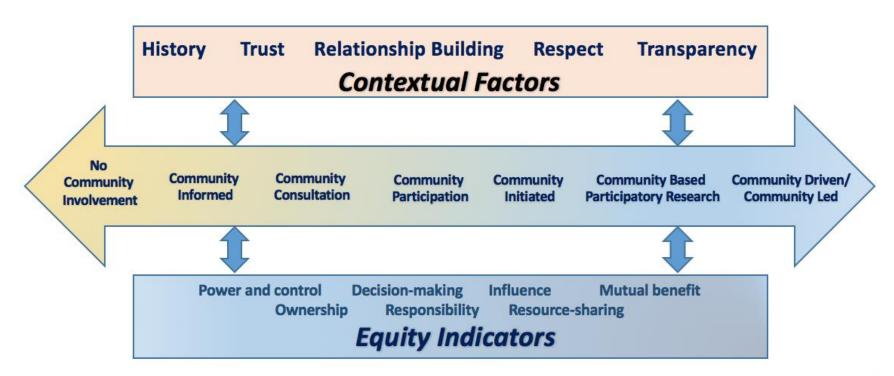
A Few Highlights from the Division of Public Health







Continuum of Community Engagement in Research

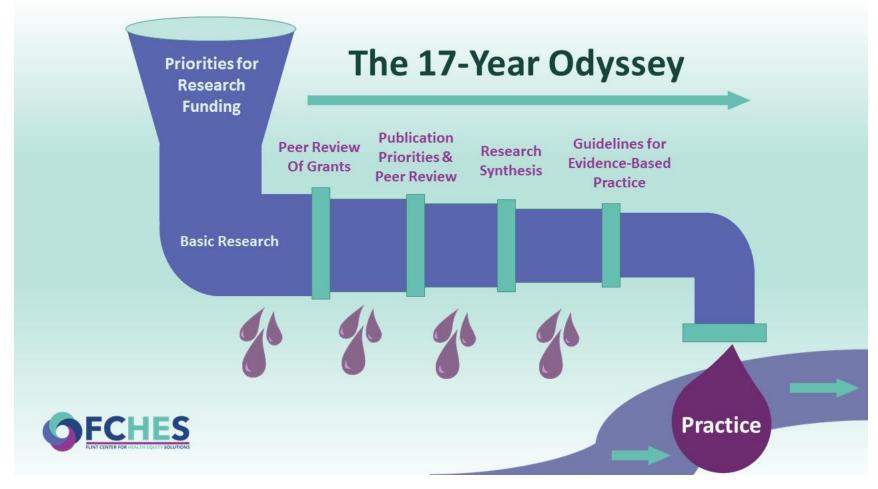


Filling Policy/Translation Gaps







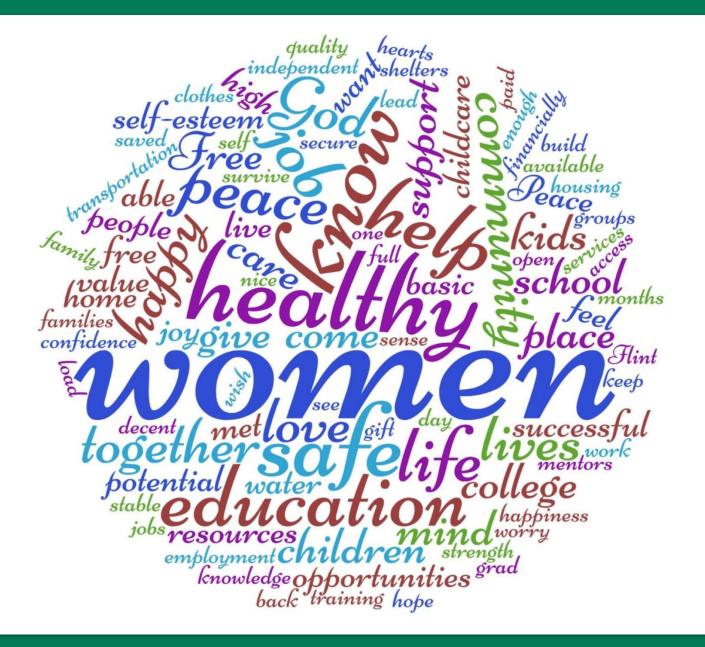












Summary









THE COLLEGE, UNIVERSITY AND COMMUNITY ARE PROUD OF THE PROGRESS MADE TO DATE ON THE OBJECTIVES.



THIS WORK HAS BEEN
PERSONALLY REWARDING AND
CONSUMING FOR THOSE WHO
HAVE BEEN INVOLVED FROM
THE COLLEGE.



OUR THANKS TO HURLEY, GENESYS, MCLAREN, THE C.S. MOTT FOUNDATION AND THEIR STAFF, AN AMAZING COMMUNITY, EXTRAORDINARY LEADERS AT MSU.









The Amazing Faculty and Academic Staff in the MSU-CHM Division of Public Health



































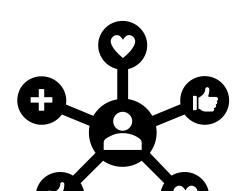












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Advancing Knowledge. Transforming Lives.

MSU SFY22 Five-Year Capital Outlay Planning

• Greenhouses - Renovation of Existing and Addition - Research Expansion and Learning MSU 5-Year Capital Planning (Alphabetical Order) Renovations and Additions • African American and African Studies - Renovation of Space - New Department • Biomedical Frontier • Biomedical Frontier • Biomedical Animal Resources - Provision for Large Animal (\$16.5M - 23.0M) • Housing and Surgery • Clinical Center A-Wing - Renovate for Research Expansion • Clinical Center B-Wing - Renovate for Research Expansion • Clinical Center B-Wing - Renovate for Research Expansion & Learning • Research Laboratory Renovation - Various (STEM and ISTB Related Backfill) • BSL-3 - Research Expansion Multi-Species Flexible Housing/Procedure Space (Ph. 2) • BSL-3 - Research Expansion Multi-Species Flexible Housing/Procedure Space (Ph. 2) • Detroit Initiative - MSU Places of Learning • Engineering - New Construction/Addition/Renovation • Large Animal - Teaching and Learning Support • Learning Spaces • Learning Spaces • Learning Spaces • Learning Space Improvements - Annual Investment for Updates and Improvements (5-Year need, \$12.0 annually) • Library Improvements - Learning and Collections Support • Library Improvements - Learning and Collections Support • Multicultural Center • Sta.3 - Ss.4 • Life Science Building (A & B) HVAC replacement and related (phased approach) • BD • Music Building - Renovation of Existing for Improved Program Support • Plant Biology Building - Comprehensive Renovation • Sta.0 - 136.5 • Single Occupant/ADA Restrooms - High Priority Buildings • 600 Crescent Road - Modifications to 1st and 2nd floors for IT Services space consolidation • Student Services Building - Renovate for Student Support • Student Services Building - Renovate for Student Support • Student Services Provides Building • TBD • Tansportation Services and Mobility Research Center • Sa.8 - 42.0 • Battery Energy Storage System	Capital Outlay Priority – Renovation and Addition	FY21 Est. (mil.)
MSU 5-Year Capital Planning (Alphabetical Order) Renovations and Additions - African American and African Studies - Renovation of Space - New Department - Biomedical Frontier - Biomedical Frontier - Biomedical Frontier - Biomedical Animal Resources – Provision for Large Animal (\$16.5M - 23.0M) - Housing and Surgery - Imaging - S4.6 - 5.7 - Clinical Center A-Wing – Renovate for Research Expansion - Clinical Center B-Wing – Renovate for Research Expansion & Learning - Research Expansion & Learning - S15.8 - 21.0 - Research Expansion Multi-Species Flexible Housing/Procedure Space (Ph. 2) - Detroit Initiative - MSU Places of Learning - Engineering - New Construction/Addition/Renovation - Learning Spaces - Learning Spaces - Learning Spaces - Learning Spaces - Learning Space Improvements – Annual Investment for Updates and Improvements (5-Year need, \$12.0 annually) - Library Improvements – Learning and Collections Support - Library Improvements – Learning and Collections Support - S1.3 - \$8.4 - Life Science Building (A & B) HVAC replacement and related (phased approach) - Multicultural Center - Music Building – Renovation of Existing for Improved Program Support - S1.0 - 11.5 - Music Building – Comprehensive Renovation - S10.0 - 11.5 - Single Occupant/ADA Restrooms - High Priority Buildings - S10.0 - 11.5 - Single Occupant/ADA Restrooms - High Priority Buildings - S10.0 - 11.5 - S10.0 -	Greenhouses - Renovation of Existing and Addition - Research Expansion and	\$22.0
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• African American and African Studies - Renovation of Space - New Department	, , , , , , , , , , , , , , , , , , , ,	
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• Housing and Surgery • Imaging • Imaging • Clinical Center A-Wing – Renovate for Research Expansion • Clinical Center B-Wing – Renovate for Research Expansion & Learning • Clinical Center B-Wing – Renovation – Various (STEM and ISTB Related Backfill) • Research Laboratory Renovation – Various (STEM and ISTB Related Backfill) • BSL-3 - Research Expansion Multi-Species Flexible Housing/Procedure Space (Ph. 2) • Detroit Initiative - MSU Places of Learning • Engineering - New Construction/Addition/Renovation • Large Animal - Teaching and Learning Support • Learning Spaces • Learning Spaces • Learning Space Improvements – Annual Investment for Updates and Improvements (5-Year need, \$12.0 annually) • Library Improvements – Learning and Collections Support • Life Science Building (A & B) HVAC replacement and related (phased approach) • Multicultural Center • Music Building – Renovation of Existing for Improved Program Support • S9.9 – 35.0 • Old Botany – Comprehensive Renovation • Single Occupant/ADA Restrooms - High Priority Buildings • 600 Crescent Road - Modifications to 1st and 2nd floors for IT Services space consolidation • Student Services Building – Renovate for Student Support New Construction - New Building • MSU Health Care - Medical Services Building • MSU Health Care - Medical Services Building • TBD • Capital Renewal (5-Year need, \$35.0 annually) • Farm Lane Infrastructure and Mobility Research Center Major Systems Maintenance & Utilities (Alphabetical Order) • Capital Renewal (5-Year need, \$35.0 annually) • Battery Energy Storage System		
• Imaging ○ Clinical Center A-Wing – Renovate for Research Expansion ○ Clinical Center B-Wing – Renovate for Research Expansion & \$68.3 – 78.8 ○ Clinical Center B-Wing – Renovate for Research Expansion & Learning ○ Research Laboratory Renovation – Various (STEM and ISTB Related Backfill) ■ BSL-3 - Research Expansion Multi-Species Flexible Housing/Procedure Space (Ph. 2) ■ Detroit Initiative - MSU Places of Learning ■ TBD ■ Engineering - New Construction/Addition/Renovation ■ Large Animal - Teaching and Learning Support ■ Learning Spaces ○ Learning Spaces ○ Learning Space Improvements – Annual Investment for Updates and Improvements (5-Year need, \$12.0 annually) ○ Library Improvements – Learning and Collections Support ■ Life Science Building (A & B) HVAC replacement and related (phased approach) ■ Multicultural Center ■ Music Building – Renovation of Existing for Improved Program Support ■ Plant Biology Building – Comprehensive Renovation ■ Single Occupant/ADA Restrooms - High Priority Buildings ■ Single Occupant/ADA Restrooms - High Priority Buildings ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Renovate for Student Support ■ Student Services Building – Support Support – Support		444.0.47.0
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Battery Energy Storage System TBD		
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SERVICE AGREEMENT TERM SHEET

Party: Great Lakes Crystal Technologies, Inc.

Agreement: MSU is a subrecipient of a prime award to Great

Lakes Crystal Technologies, Inc. from the US

Department of Air Force (IP00499916)

Term: November 1, 2020 to February 1, 2021

Potential Commercial

Application: Improved techniques for reducing strain and

improving quality of diamond lattice

Payment

Terms: \$97,500 payment to MSU for services

Services Provided: By MSU to Great Lakes Crystal Technologies, Inc.:

Using x-ray techniques to scan diamond lattice

By Great Lakes Crystal Technologies, Inc. to MSU:

None contemplated under the agreement

Use of University

Facilities/
Personnel:

Personnel: Services conducted in the Engineering Research

Complex by or under Dr. Timothy Grotjohn and/or Dr.

Elias Garratt

Organization Type: Michigan corporation

Personnel Interest: Dr. Timothy Grotjohn, a Professor in the Department

of Electrical and Computer Engineering, 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.