

# MICHIGAN STATE UNIVERSITY

May 7, 2019

AASHE STARS Steering Committee  
Association for the Advancement of Sustainability in Higher Education  
2401 Walnut Street Suite 102  
Philadelphia, PA 19103

Dear STARS Administrators,

Michigan State University is pleased to submit our Fiscal Year 2018 data for AASHE's Sustainability Tracking, assessment and Rating System. As the founding land-grant college, sustainability has long been a key part of our mission in advancing knowledge and transforming lives.

This report is our third AASHE STARS report. The significant progress reported is a reflection of the commitment the university has made in "*Moving Sustainability Forward*" by embedding it throughout the fabric of the university.



## OFFICE OF THE PRESIDENT

Michigan State University  
Hannah Administration Building  
426 Auditorium Road, Room 450  
East Lansing, Michigan  
48824

Phone 517.355.6560  
Fax 517.355.4670  
[www.president.msu.edu](http://www.president.msu.edu)

We have made significant progress in implementing the goals of our Energy Transition Plan, providing safe, reliable and affordable long-term energy supply. MSU has reduced greenhouse gas emissions by 30% through the elimination of coal for its energy supply, converting its on-campus power plant to natural gas, even with an overall increase in building square footage and meeting the demands from higher numbers of students, faculty, and research.

We have completed phase 1 of our 10 year building re-commissioning program, and implemented energy conservation measures estimated to save over \$10 million from the baseline year. Our solar carports are the largest non-utility carport array in the United States and contribute 5% of the total energy demand and 18% of peak demand of the university. Research in sustainability has grown as well in academic offerings and continuing education through MSU Extension and Eli Broad College of Business Executive Development Programs.

In addition, MSU continues to expand its role as a national leader in advancing mobility by leveraging our campus-wide expertise and collaborating with strong industry partnerships. Notable actions include: Publishing the first Mobility Plan for the university; Incorporating various smart, connected technologies that enable vehicle-to-infrastructure and vehicle to vehicle communication into university infrastructure; partnering with industry on research projects such as CANVAS, the Connected and Autonomous Networked Vehicles for Active Safety, initiative;

creating the Mobility Studio geared towards smart infrastructure and autonomous vehicle technology; and establishing Spartan Mobility Village, the new home of MSU's mobility labs for testing new technologies.

I represent that this STARS submission is an accurate reflection of Michigan State University's activities and accomplishments to the greatest extent that can be captured given the size, diversity, and complexity of our institution.

Sincerely,



Satish Udpa, Acting President

cc: Wolfgang Bauer, Associate Vice President for Administration  
Ms. Amy Butler, Campus Sustainability Director,  
Office of EVP of Administration