

Use and Finance Bi-Annual Reporting Form

Reporting Period: January 1 - June 30 2019

University/College: Michigan State University

Number of Project to Report:

Estimated Impact on Tuition and Fee Rates<sup>1</sup>: \$0

<sup>1</sup>This amount shall be calculated by dividing the amount of tuition revenue that is annually budgeted for the institution's share of a project's cost by the most recent fiscal year equated student count for the institution.

<p><b>1</b> Munn Ice Arena - Expansion (CP18134) -Munn Ice Arena opened in 1974. In addition to being the home of MSU Hockey, it also hosts classes, club sports, sports camps, and public skating opportunities. The building has fallen behind its peers, particularly for team operations. It is lacking in team meeting space, operational areas, and energy efficiency. This project, which includes a 35,000 square foot addition, will create a new public "front door" to Munn Ice Arena. The project provides gathering spaces outside and around the building, team meeting spaces, and new training facilities. The project will expand and relocate hockey operations and coaching offices from the basement to the renovated first floor, and improve the quality of the varsity lockers, fitness and weight facilities in alignment with other recently completed collegiate hockey venues. The project will also address needed infrastructure and energy improvements.</p>	<p>Start Date: June-19 Completion: December-20</p>	<p>Property Acquisition</p> <table border="0"> <tr><td>Remodeling</td><td>\$1,000,000</td></tr> <tr><td>Additions</td><td>\$14,436,856</td></tr> <tr><td>Landscaping/Roads</td><td>\$150,000</td></tr> <tr><td>Equipment</td><td>\$1,064,120</td></tr> <tr><td>Other(Fees)</td><td>\$2,149,024</td></tr> <tr><td><b>Total:</b></td><td><b>\$18,800,000</b></td></tr> </table>	Remodeling	\$1,000,000	Additions	\$14,436,856	Landscaping/Roads	\$150,000	Equipment	\$1,064,120	Other(Fees)	\$2,149,024	<b>Total:</b>	<b>\$18,800,000</b>	<p>Tuition</p> <table border="0"> <tr><td>Millage</td><td></td></tr> <tr><td>Bond Proceeds</td><td></td></tr> <tr><td>Donations to Intercollegiate Athletics, with interim tax exempt financing</td><td>\$18,800,000</td></tr> <tr><td>Federal</td><td></td></tr> <tr><td>Other</td><td></td></tr> <tr><td><b>Total:</b></td><td><b>\$18,800,000</b></td></tr> </table>	Millage		Bond Proceeds		Donations to Intercollegiate Athletics, with interim tax exempt financing	\$18,800,000	Federal		Other		<b>Total:</b>	<b>\$18,800,000</b>
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<p><b>2</b> Duffy Daugherty-SAAC - Alterations to Skandalaris Football Offices - CP18074 -The NCAA has increased the number of coaches a football program may have on staff, spurring interest in adding more space, as well as refreshing existing amenities. The project will re-purpose underutilized patio space and reconfigure existing space to accommodate a large meeting rooms, offices, an all-staff work room, and larger restroom facilities.</p>	<p>Start Date: December-19 Completion: August-20</p>	<p>Property Acquisition</p> <table border="0"> <tr><td>Remodeling</td><td>\$4,902,317</td></tr> <tr><td>Additions</td><td>\$0</td></tr> <tr><td>Landscaping/Roads</td><td>\$50,000</td></tr> <tr><td>Equipment</td><td>\$577,208</td></tr> <tr><td>Other(Fees)</td><td>\$270,475</td></tr> <tr><td><b>Total:</b></td><td><b>\$5,800,000</b></td></tr> </table>	Remodeling	\$4,902,317	Additions	\$0	Landscaping/Roads	\$50,000	Equipment	\$577,208	Other(Fees)	\$270,475	<b>Total:</b>	<b>\$5,800,000</b>	<p>Tuition</p> <table border="0"> <tr><td>Millage</td><td></td></tr> <tr><td>Bond Proceeds</td><td></td></tr> <tr><td>Donations to MSU Intercollegiate Athletics</td><td>\$5,800,000</td></tr> <tr><td>Federal</td><td></td></tr> <tr><td>Other (Housing Reserves)</td><td></td></tr> <tr><td><b>Total:</b></td><td><b>\$5,800,000</b></td></tr> </table>	Millage		Bond Proceeds		Donations to MSU Intercollegiate Athletics	\$5,800,000	Federal		Other (Housing Reserves)		<b>Total:</b>	<b>\$5,800,000</b>
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3	Biological Safety Level-3 Research Laboratory - (CP18191) - Through its ongoing academic and capital planning efforts, the University has identified a need for additional Biological Safety Level-3 (BSL-3) research laboratory capacity. Harmful pathogens have emerged in recent years that affect both animals and humans and are a cause for concern for the health of the nation and world. MSU has had limited engagement in the study of these types of pathogens. However, recent faculty hires increase the University's ability to study these types of pathogens. At present, MSU currently supports such research within two modular containment trailers, and they are at capacity and reaching the end of their useful life. To support the current growth of research in this area, additional BSL-3 capacity is needed. The project will renovate space in the University Research Containment Facility, leveraging the utilization of existing space and Campus Animal Resource operations, to house Biological Safety Level-3 laboratories and associated support functions. The scope includes interior demolition, new mechanical equipment, isolation areas including shower in/shower out, animal holding, and autoclave room and associated scope necessary for select agent pathogen work and to ensure select agent certification. Upon completion the space will accommodate up to five faculty and allow for the decommissioning of two existing BSL-3 modular units that are approaching the end of their useful life.	Start Date: September-19	Property Acquisition	Tuition																								
		Completion: March-20	<table border="0"> <tr><td>Remodeling</td><td style="text-align: right;">\$3,281,768</td></tr> <tr><td>Additions</td><td style="text-align: right;">\$0</td></tr> <tr><td>Landscaping/Roads</td><td style="text-align: right;">\$0</td></tr> <tr><td>Equipment</td><td style="text-align: right;">\$36,080</td></tr> <tr><td></td><td style="text-align: right;">\$299,152</td></tr> <tr><td>Other(Fees)</td><td></td></tr> <tr><td>Total:</td><td style="text-align: right;">\$3,617,000</td></tr> </table>	Remodeling	\$3,281,768	Additions	\$0	Landscaping/Roads	\$0	Equipment	\$36,080		\$299,152	Other(Fees)		Total:	\$3,617,000	<table border="0"> <tr><td>Millage</td><td></td></tr> <tr><td>Bond Proceeds</td><td></td></tr> <tr><td>Donations</td><td></td></tr> <tr><td>Federal</td><td></td></tr> <tr><td>Other ( MSU Academic Competitiveness Initiative, Facilities Reserve, AgBioResearch, College of Natural Science, and Vice President for Research and Innovation)</td><td style="text-align: right;">\$3,617,000</td></tr> <tr><td>Total:</td><td style="text-align: right;">\$3,617,000</td></tr> </table>	Millage		Bond Proceeds		Donations		Federal		Other ( MSU Academic Competitiveness Initiative, Facilities Reserve, AgBioResearch, College of Natural Science, and Vice President for Research and Innovation)	\$3,617,000
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4	T.B. Simon Power Plant – Plant Modernization – RICE - CP17197 -MSU's T.B. Simon Power Plant has provided cogenerated steam and electricity to the East Lansing campus for more than five decades. The original generation equipment is almost 60 years old, conventionally considered the end of its useful life. Maintenance costs for outdated boilers and turbines are on the rise. Changing technology allows MSU to consider a different approach for the next generation of power production. There are technical advances in electrical and steam generation equipment, improvements in the nation's natural gas infrastructure, and lower prices for energy storage solutions. A carefully balanced set of strategic investments will enable MSU to modernize its central power plant, save energy and significantly lower costs. The project will add natural gas-fired simple cycle RICE and associated balance-of-plant equipment at the existing T.B. Simon Power Plant. The full load electrical output capability of the facility shall be a nominal 27 megawatts, accomplished through the use of three RICE units with "white space" for a future fourth engine.	Start Date: September-19	Property Acquisition	Tuition																								
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5	Hannah Administration Building – Renovation to Room 10 (CP19003) – Complete renovation to convert former data center to functional office space including demolition and installation of new offices, workstations, windows for daylighting, power, data, ceiling, lighting, and HVAC modifications.	Start Date: September-19	Property Acquisition	Tuition																								
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<p>6 T. B. Simon Power Plant - Reconfigure House Service and Install Spare Breakers - Capital Renewal - CP18033 - Electricity distributed to campus through the T. B. Simon Power Plant and campus electric demand is reaching full capacity of the distribution system. MSU's current projected power needs will use all available capacity within the next two years. Additionally, reliability of the electric supply could be negatively affected by single circuit breakers that are currently powering two substation transformers. A failure of one substation transformer trips the circuit breaker and causes the loss of power to the other transformer powered by the same circuit. This project will provide five new medium voltage power circuits serving campus to increase capacity and five new circuit breakers to increase reliability. This project will also add two spare circuit breakers that could be combined with two existing ones in the future to create two more circuit pairs.</p>	<p>Start Date: December-19</p>	<p>Property Acquisition</p>	<p>Tuition</p>																							
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