



University of Missouri System
2018 State Capital
Appropriations Requests

Our capital focus for the University of Missouri System is primarily on renovating STEM facilities and bring forward new research opportunities for the State of Missouri. If funded, the top priority projects will generate over 2,900 jobs, boost the State GDP by \$370 million and eliminate over \$71.5 million in deferred facility needs for the University of Missouri System. With the support of the State, the University of Missouri System can continue to meet its education and research commitments to the citizens of Missouri and achieve a well-education workforce.



FY 2018 State Capital Appropriations

The University's top projects that are proposed for state funds.



University of Missouri - Columbia Waters Hall Reconstruction / Plant Growth Facilities



Funding Source	Amount
FY 2018 State Request	\$53,525,000
Other	\$0
Total	\$53,525,000

Waters Hall Building Profile

- Built in 1909
- 49,000 gross square feet
- \$14.1 Million Total Facilities Needs
- FCNI: 0.83
- Accommodates 5,000 students annually.

Plant Growth Facilities Profile

- New Construction
- \$0 Million Total Facilities Needs
- Will contain 40 to 44 glasshouse research compartments.

Plant Growth Facilities expand plant research and decrease the potential for loss of valued faculty and students.



FCNI is Facilities Condition Needs Index and is calculated as facilities needs over the building replacement value. The higher the FCNI number is, the closer a building is to reaching the end of its useful life.

FY 2018 State Capital Appropriation Request

The challenges that are being experienced

- Need for additional classroom laboratories for STEM.
- Waters Hall has only received minimal improvements since its original construction.
- Plant growth facilities are beyond capacity and many are inadequate to support modern innovative research.



Waters Hall has only had minor improvements since the original construction in 1909.

The project will

- Improve STEM space that is critical to maintain student access to important educational experiences.
- Create space for research programs to support modern innovative research.
- Eliminate \$14.1 million in facilities needs.

Impact to the Economy

Adds
\$117.9 Million
to the Local
Economy

Adds
\$37.0 Million in
Personal
Earnings

930 Jobs



University of Missouri - Kansas City

Spencer Chemistry & Biological Sciences Renovation Phase II



Building Profile

- Built in 1968
- 153,000 gross square feet
- \$17.7 Million Total Facilities Needs
- FCNI: 0.29
- Accommodates 1,000 students per week

Funding Source	Amount
FY 2018 State Request	\$31,829,000
Other	\$4,600,000
Total	\$36,429,000

Building repairs are frequent and costly for Spencer Chemistry and Biological Sciences. The renovation will address over \$17.7 million of facilities needs identified.



FCNI is Facilities Condition Needs Index and is calculated as facilities needs over the building replacement value. The higher the FCNI number is, the closer a building is to reaching the end of its useful life.

FY 2018 State Capital Appropriation Request

The challenges that are being experienced

- Phase 1 renovation, addressing lower division laboratories is currently underway; however, prior to this, the facility had not been updated in over thirty years.
- Facility has inadequate teaching and research laboratories.
- Building repairs are frequent and costly.



Current laboratory spaces are outdated. Though the Phase 1 renovation (currently underway) are addressing core teaching laboratory upgrades as well as building life safety issues, upper division laboratories and research labs remain out of date. The renovation will create laboratory spaces that meet current standards and encourage student collaboration.

The project will

- Renovate 75,000 gsf.
- Provide state-of-the-art upper-division teaching laboratory spaces for the sciences.
- Support student retention, meet current laboratory standards, and encourage student collaborative learning.
- Eliminate \$17.7 million in facilities needs.

Impact to the Economy

Adds
\$80.2 Million
to the Local
Economy

Adds
\$25.2 Million in
Personal
Earnings

640 Jobs

Missouri University of Science and Technology Schrenk Hall Addition and Renovation - Phase III



Building Profile

- Built in 1938/1973
- 118,000 gross square feet
- \$15.0 Million Total Facilities Needs
- FCNI: 0.49
- Accommodates 2,500 students per week

Funding Source	Amount
FY 2018 State Request	\$52,244,000
Other	\$0
Total	\$52,244,000

Repairs are required frequently within Schrenk Hall, the renovation will address \$15.0 million of facility needs.

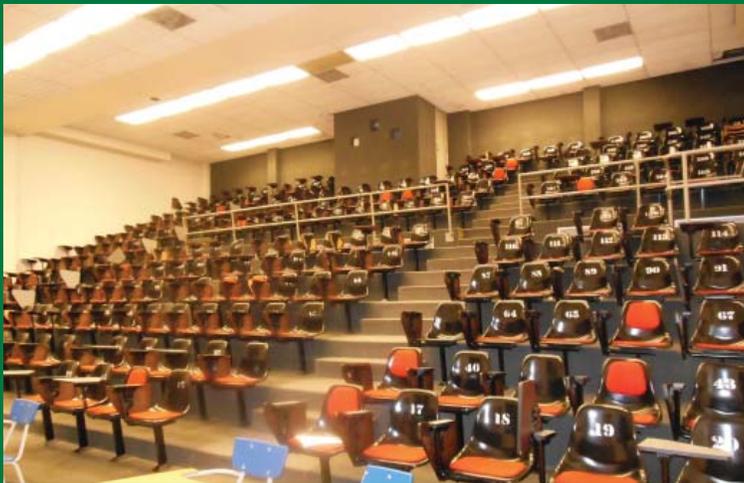


FCNI is Facilities Condition Needs Index and is calculated as facilities needs over the building replacement value. The higher the FCNI number is, the closer a building is to reaching the end of its useful life.

FY 2018 State Capital Appropriation Request

The challenges that are being experienced

- Lack of adequate classrooms and support spaces.
- Chemistry and Biological Sciences Departments are currently in multiple buildings.
- Due to limited upgrades, the building does not meet current safety codes or standards.



The renovation will unify related departments to Schrenk Hall which will enhance the educational experience.

The project will

- Renovate 40,000 gsf and replace the East Wing with a new 90,000 gsf facility and atrium to consolidate related departments to one location to enhance the educational experience on campus.
- Address energy conservation measures and associated cost savings.
- Eliminate \$15.0 million in facilities needs including code issues and accessibility.

Impact to the Economy

Adds
\$115.1 Million
to the Local
Economy

Adds
\$36.1 Million in
Personal
Earnings

910 Jobs

University of Missouri - St. Louis

Stadler Hall Renovation



Building Profile

- Built in 1967
- 83,000 gross square feet
- \$24.7 Million Total Facilities Needs
- FCNI: 0.53
- Accommodates 2,800 students annually

Funding Source	Amount
FY 2018 State Request	\$25,786,000
Other	\$0
Total	\$25,786,000

Current mechanical systems are out dated. The renovation will install modern building systems that will be more efficient and cost less to operate.



FCNI is Facilities Condition Needs Index and is calculated as facilities needs over the building replacement value. The higher the FCNI number is, the closer a building is to reaching the end of its useful life.

FY 2018 State Capital Appropriation Request

The challenges that are being experienced

- Laboratory spaces are out dated and do not meet current codes and standards.
- Current building systems are inefficient and have surpassed their expected useful life.
- Building repairs are frequent and costly.



Current laboratory space in Stadler Hall. The renovation will create state-of-the-art class laboratory spaces that meet today's standards at University of Missouri - St. Louis.

The project will

- Provide critically needed state-of-the-art technology equipped flexible classrooms, class laboratories, research laboratories, and support spaces.
- Install modern building systems that will be significantly more efficient and less costly to operate.
- Eliminate \$24.7 million in facilities needs.

Impact to the Economy

**Adds
\$56.8 Million
to the Local
Economy**

**Adds
\$17.8 Million in
Personal
Earnings**

450 Jobs

UMSL



University of Missouri System

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