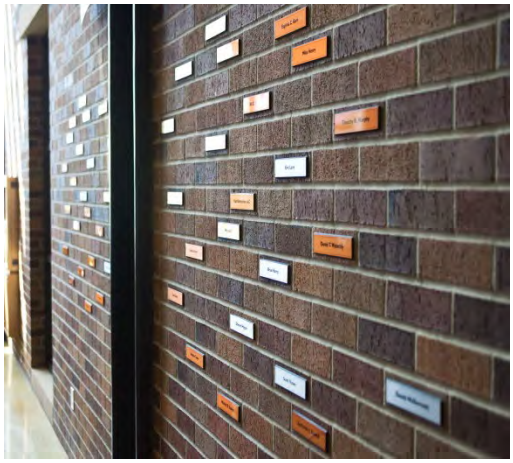
CAPITAL BUDGET REQUEST



2021-2023 BIENNIUM

Eastern Washington University

EASTERN WASHINGTON UNIVERSITY

CAPITAL BUDGET REQUEST

2021-2023 BIENNIUM

EASTERN
WASHINGTON UNIVERSITY
start something big

EASTERN WASHINGTON UNIVERSITY
start something big

September 14, 2020

Governor Jay Inslee
Office of the Governor
PO Box 40002
Olympia, WA 98504

Dear Governor Inslee:

This letter transmits the 2021-23 biennial capital budget request for Eastern Washington University (EWU). Developed within the guidelines set by the Office of Financial Management, this request represents Eastern's efforts to focus on its mission to expand opportunities for personal transformation through excellence in learning.

These prioritized capital budget requests support university priorities and strategies currently in place to serve the higher education needs of our region. Eastern places a high distinction on protecting the state's investment in our physical facilities. Funding for projects such as classroom renewal and infrastructure preservation are essential to the success of the university.

PRIORITY #1 – SCIENCE RENOVATION, DESIGN REQUEST

Eastern Washington University is requesting construction funds supporting the proposed renovation of the current Science Building which will provide modernized classroom infrastructure, new opportunities for advanced STEM education, and distance learning. Mandatory additional science prerequisites in the university's engineering program and additional growth of healthcare-related degrees continue to increase student and regional demand for basic sciences. Eastern is anticipating 20% growth over the next ten years, with expanding disproportionate gains in students seeking STEM-related degrees.

PRIORITY #2 – INFRASTRUCTURE RENEWAL REQUEST

Eastern's Cheney campus consists of almost 3,000,000 gross square feet of academic and student support facilities maintained by mission-critical university-owned infrastructure, including steam generation and distribution, chilled water production and distribution, domestic water production and distribution, electrical distribution, sanitary and storm water collections and disposal, site improvements, central facilities automation, energy management system, and emergency vehicle access to the campus.

A professional engineering consultant has examined each major system for current condition assessment, lifecycle renewal/replacement, potential energy savings, and sustainable upgrades. This request includes actions to reduce failures, lower maintenance costs, increase efficiencies, and

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facilitate long-range planning. This capital request supports the sequential implementations of Eastern's "2014 Comprehensive Campus Master Plan" and EWU's "Ten Year Capital Plan".

PRIORITY #3 – ENGINEERING BUILDING

Eastern Washington University is requesting design funds for the Engineering Building. Eastern's science, technology, engineering and mathematics related programs are being constrained due to the lack of space. Eastern is anticipating 20% growth over the next ten years, with expanding disproportionate gains in students seeking STEM-related degrees.

PRIORITY #4 – EAGLE RECREATIONAL FACILITIES IMPROVEMENTS

Eastern Washington University is requesting funding for Eagle Recreational facilities improvements. The recreation facilities are an integral part of the University community fabric and touches the lives of the majority of students living both on and off-campus. The facilities are shared by physical education, student recreation, special events and intercollegiate athletics, and the regional residential community for a variety of purposes scheduled throughout the year. Their use extends from early mornings before regular classes till late in the evening, seven days per week and during all four academic quarters. The numbers of students using these facilities is being constrained because of its high demand and limited space.

Eastern is working hard to ensure that facilities remain in good repair, and the university remains dedicated to the long-term needs of our region. Expansion and renewal of campus facilities provides vitally important access to higher education for Eastern Washington residents. I request your thoughtful consideration of this capital funding request presented by EWU. Thank you for your continued support.

Sincerely,

David May, PhD
Interim President

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2021-23 Biennial Capital Budget Request

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Facilities Goals 2021-2023

EWU expands opportunities for personal transformation through excellence in learning

Eastern Washington University engages a diversity of students and ignites generational transformation. We inspire students through engaged learning experiences that encourage pathways to graduation. We collaborate with families, employers, and communities to solve complex issues and improve quality of life.

In 2018 Eastern Washington University completed our new 2018-2023 Institutional Strategic Plan. Facilities goals are closely aligned and support the Goals and Priorities of that plan. University facilities are the vessel which houses the programs that make the strategic plan successful. Eastern Washington University's Comprehensive Campus Master Plan was developed in 2014. The Eastern Washington University Comprehensive Campus Master Plan is a critical part of the university's strategic planning process. It is a guide to achieve a campus that reflects the programmatic and cultural needs of the university. The plan provides a means to track facility needs as driven by both individual building conditions and overall institutional growth.

Recently Higher Education and Eastern has seen unprecedented impacts from the COVID-19 Pandemic. It is and will continue to affect the university for some time. "Student success is the ultimate goal of the EWU board of trustees, the administration, faculty and staff. As Eastern Washington University embarks on a new "Flight Plan" vision, the President and the Board of Trustees knows it is going to take the entire University's collective energy, imagination and creativity to relaunch Eastern's future. The vision as outlined by Eastern's Board of Trustees meeting on May 29, 2020 will carry EWU forward, intentionally preparing students for success. Facilities goals will need to be nimble and flexible to the current day-to-day changes in our community environment.

Effective and strategic comprehensive campus master planning methods align the academic needs of the university with its physical needs, thus working to ensure that Eastern Washington University's facilities support the university's mission, vision, and objectives. Comprehensive campus master plans are flexible, they are also living documents, appropriate and applicable to both immediate and long-term university goals. They address overlapping needs and potential shared capacities of university programs and services, and are by definition proactive in nature. Since the long-range goals of Eastern must respond to the changing market for higher education, so too the Eastern's Comprehensive Master Plan must be dynamic and flexible in its structure, presentation, and implementation.

The campus environment, its buildings, open space, and its neighboring community contribute significantly to student success, their collegiate experience, and their connection with the larger community. The condition of the campus facilities, availability of space for instruction and research, availability of desirable amenities, and options for a vibrant residential experience are vital to the successful recruitment and retention of Eastern's students, faculty, and staff.

Three primary categories of consideration—academic programs, facility condition, and enrollment—drive the concepts and recommendations of the Eastern Washington University Comprehensive Campus Master Plan. The concept and recommendations support the overall mission of the university through the implementation of physical improvements that strategically address these considerations.

The following capital budget request reflects the university strategic plan to link facilities with student success and the core values of our university's Strategic Plan. These projects continue to align with the university's short and long term goals.

Capital Request

Priority #1 – Renovate Science Building – Construction Phase I – $45,000,000

EWU requests construction funds for Phase I of a two-phase renovation of the existing Science Building as described in the Major Capital Proposal submitted to the Office of Financial Management on August 15, 2020. If funding is approve the construction of Phase I would begin summer of 2021 and complete by summer 2023. Additionally the request for Phase II construction will be submitted in the 2023-2025 biennial Capital Request.

Demand for Science Programs Increasing

A complete renovation of the Science Building allows EWU to take strategic advantage of the areas vacated to accommodate needed program growth in the Chemistry, Biology, Physics, Geology and Geography departments as well as resolving health, safety, welfare, and maintenance/repair deficiencies within the current Science Building.

Since 2008, the number of STEM graduates at EWU have nearly doubled—from 320 students in 2007-08 to 610 in 2015-2016. STEM graduates have grown to be fully one-quarter of all degrees produced by EWU. Yet, we are the only regional university to not add any additional capital capacity for STEM programs in the last decade. At our current growth rate in STEM programs, EWU has exceeded the capacity of current science facilities and we anticipate being unable to meet future demand without the construction of additional science lab space.

We expect over the next 10 years our student population will grow by approximately 20%, and a disproportionately large share of the additional students will be seeking STEM related degrees. In order to meet the growing state and regional workforce demands for additional healthcare professionals and vocations in science -related fields, EWU will have to substantially increase our course offerings in basic science courses including biology, chemistry, biochemistry, geology, geology, and physics.

Even with the addition of the new Interdisciplinary Science is Center which will complete construction in the fall of 2020, the current Science Building is the only facility that will contain research laboratories capable of accommodating these programs. Currently, the research lab space in the building is not capable of serving all the needs of science student and faculty so expansion into renovated spaces made available by the moves into the new ISC is the most viable option.

In addition to lacking space, the existing research lab facilities are lacking in size, infrastructure, storage, and equipment. Other deficiencies in the building include health and safety issues, accessibility violations, HVAC lifecycle failures, technology deficiencies, lack of student spaces, increasingly high cost of maintenance and repairs, and very high energy costs. All of these deficiencies are at odds with the university's mission to provide an excellent student-centered learning environment, resources, and facilities.

The growth of healthcare in the Spokane region will mean that a larger number of students will seek related degrees to fill the increased need. Increasing numbers of pre-med students have pushed the need for chemistry and biology courses. Growth in accredited mechanical and electrical engineering programs

have put pressure on prerequisite chemistry and physics classes. Increasing student populations, more interest in STEM related fields, and a greater regional demand for graduates within STEM and healthcare fields have all put pressure on science program growth to fulfill the basic and advanced science courses - especially biology, chemistry, physics, and geology classes - which are prerequisites to completing degree requirements. Given the current facilities available, Eastern will not be able to meet the increased demand for either quality or quantity of science classes available.

Priority #2 – Infrastructure Renewal III - Construction – $25,518,000

This request is for design and construction resources to upgrade Eastern Washington University's Rozell Plant infrastructure. This request includes the upgrades of the university's 13,200 volt electrical system, central production and distribution of steam and chilled water and sanitary and storm water management.

This infrastructure includes steam generation and distribution, chilled water production and distribution, domestic water production and distribution, electrical distribution, sanitary and storm water collection and disposal, site improvements, central facilities automation, energy management system, and emergency vehicle access to the campus. These infrastructure systems are mission critical components to Eastern's primary goal of student success.

Eastern Washington University's Cheney campus contains almost 3,000,000 gross square feet of academic and student support facilities whereby university-owned infrastructure provide all heating, cooling, electrical, and other building utility needs to these facilities. University plant operators have operated and maintained the boilers (60 years old max) and chillers (22 years max) with great care and as a result the equipment has functioned well beyond their expected lifecycle. However regardless of the professional care and maintenance given to these units, it's time to begin cyclic replacement of the older inefficient boilers, chillers, and electrical components.

The Rozell Central Energy facility is located at the north end of campus which was originally constructed in 1967. The plant is the origin of all steam and chilled water production. It also serves as the start/end point for distribution of steam, chilled water and electrical distribution to the campus.

In 2014, Eastern partnered with mechanical, electrical, and civil professional engineering consultants to examine each major utility system for current condition assessment, lifecycle renewal/replacement, potential energy savings, and sustainable upgrades. The systems that were examined include campus electrical power distribution as well as steam and chilled water production and distribution systems, and domestic water distribution system. Included in this overall study were recommendations for short and long-term actions to reduce potential failures, lower maintenance costs, increase worker safety and improve efficiencies, and to identify potential alternate energy sources for future production of utilities.

As Eastern Washington University's enrollment continues to grow our facilities are required to expand to accommodate this enrollment growth. This expansion requires that our Central utility production and distribution ability grows with us. This request is to expand, upgrade, and improve the equipment and operations of Eastern Washington University Steam Plant and campus wide steam infrastructure.

Priority #3 – Engineering Building Design - $3,500,000

EWU requests design funds of $3,500,000 for the EWU Engineering Building on the Cheney Washington campus as described in the Predesign report submitted to OFM prior to July 1, 2020. This project is a major project in the Growth Category.

Engineering is one of the fastest growing but most physically constrained departments at EWU. The program has demonstrated sustained demand for enrollment and success in providing highly qualified graduates to the marketplace, but future growth is restricted by the lack of appropriate space for its core programs. The Engineering Department currently cannot accommodate additional growth due to space limitations.

EWU proposes that this new facility on the campus connect to the Computing and Engineering Building increasing facility capacity, solving facility deficiencies, and meeting future needs. The building is envisioned as a 74,155 GSF facility which will house hands-on teaching laboratories, research laboratories, lab support facilities, and student meeting and study areas. 23,650 GSF of CEB will be lightly modified to create physical connections, take advantage of available space suited to the program, and optimize instructional efficiencies. This is a Major Capital Project in the Growth Category.

A primary goal in Eastern's strategic plan is to create the EWU Virtual Campus, which will provide a premier learning environment for place-bound students and professionals seeking to improve their skills and their own potential for promotion within the workplace. We are a university of opportunity and the programs housed in the facility would offer a high potential for a variety of technically oriented degrees to be completed by place-bound students through online offerings.

Learning how to talk about their work with non-engineers is seen as a critical skill for EWU Engineering graduates, and the department supports that through community and industry outreach programs and events which the students are expected to participate in. The Engineering Department has built successful outreach programs to rural and underserved prospective student populations by providing hands-on engineering activities, events and clubs with the community. It would be most impactful to host these events in the engineering facilities in order to allow prospective students to visualize a college engineering experience but the department currently cannot house these events due to the space constraints and safety concerns described earlier, and so most outreach is mobile.

Additionally, students in certain technical fields, at no less than 24 community colleges, in the state and region have the option of completing a Bachelor of Science in Applied Technology with their AA degree through Eastern's transfer program. Graduates with specific Associate of Science degrees from the Spokane Community College System may also complete bachelor degrees in Applied Technology on the Cheney campus.

Priority #4 – Eagle Recreational Facility - Design and Construction $5,960,000

Eastern Washington University Request $5,960,000 for design and construction funding to replace the recreational facilities on the Cheney Campus. This project is a Major Stand Alone Project in the Replacement Category.

Eastern Washington University is a four-year regional institution of higher education that offers students a broad and diverse college experience that goes beyond the classroom. In addition to the many diverse programs tailored to specific groups of students based on racial and ethnic backgrounds, personal interests, and academic pursuits, the programs that bring all students together are centered on recreation. EWU has a strong and active student recreation program that receives a broad base of support from a large percentage of its students.

Because of the limitations of our financial resources, student recreation facilities must be shared with other programs including physical education, athletics, clubs, University-sponsored events, and community outreach. The facility that could be considered the most multi-purpose venue on our campus would be the track and the support facilities associated with it.

The current condition of the track is poor, having been patched and repaired numerous times over several decades. Support facilities are aging and in constant need of repair as well. In looking ahead to the future, the university's needs would be best served if the facility were in a different location, more approximate to the PE program and other recreation facilities and more detached from athletic facilities.

Priority #5 – Pre Design – Lucy Covington Center - $300,000.

Eastern Washington University requests $300,000 for Pre Design of the Lucy Covington Center on the Cheney Campus.

There are two vital reasons that Eastern Washington University needs to build the Lucy Covington Center. Commitment to Native American Students, and educating the Spokane region through interdisciplinary partnerships with Tribes and Urban Native Communities.

Native American Students are vastly underrepresented in Higher Education making up less than one percent of the college going population. While many factors have been attributed to low college going rates for Native American Students most all those barriers can be traced back to one singular source; invisibility.

The issue of invisibility severally impacts how Non-Native individuals and organizations interact or more importantly avoid interacting and partnering with Native American and Alaskan Native populations. Through the development of partnerships with Federally Recognized Tribes and Urban Indian Organization's, Eastern Washington University hopes to create a space where we can continue to work together to combat the invisibility of the Indigenous peoples of this region.

The Lucy Covington Initiative is part of EWU's Strategic Plan to increase the 6 year graduation rate of underrepresented students (including American Indians) from 32 % to 40 % by 2023. As part of the Lucy Covington Initiative, the Lucy Covington Center will greatly support this strategic goal by providing a space from which to host programs and events intended to boost enrollment from underserved regions

The Lucy Covington Center is part of the broader Lucy Covington Initiative at Eastern Washington University. The initiative seeks to support future leaders by honoring her legacy, educate the next generation of Native American leaders, create a confluence of cultures and causes through community scholars and tribal leaders, and an archival project documenting the efforts of Lucy Covington those who fought with her to protect sovereignty and self-determination. This ambitious initiative will achieve these goals by:

1. Providing financial support and scholarships to Native American students.
2. Create summer program that brings Native American middle school and high school students to campus to engage in academic classes and university activities and to develop skills needed in an increasingly complex political environment for Pacific Northwest and Native American communities.
3. Bring together national speakers, scholars, academics, traditional practitioners and Native leaders to share their experiences, wisdom, research and indigenous knowledge.
4. Develop programming that promotes understanding across cultures and political boundaries to address challenges and opportunities.
5. Build an archive of both virtual and actual storage facility for historic documents pertaining to the work of Lucy Covington. Materials donated will be used for research and continued education about the importance of protecting sovereignty and self-determination.

In addition to these goals we intend to build the Lucy Covington Center to serve as a home for these programs and projects, as well as provide to gather celebrate our Native American communities. The center will provide a gathering place for Native students, faculty and communities for shared events, celebrations, lectures, symposia, cultural exchange, offices, classrooms, exhibition space for historic items, and lifelong learning. The proposed Lucy Covington Center will be located on the western edge of campus and integrated into the 120 acre Prairie Restoration Project taking place at Eastern Washington University.

Priority #6, #7 and #8 – Minor Works Preservation - $17,500,000

Project Request in the category of Facility Preservation are divided into three categories:

- Life Safety Code Compliance $7,000,000
- Facility Preservation $5,700,000
- Infrastructure Preservation $4,800,000

Preservation projects maintain, preserve and extend the life of existing university facilities and assets and do not significantly change the program use of a facility. Preservation projects generally have little effect on future operating programs and budgets, except for reductions in the agency's maintenance costs and the deferred maintenance backlog.

The requests are priority based upon on-going assessment, review, and prioritization of the campus facilities' operations and the needs to support effective operation management. These projects were identified through the evaluation of our current systems by architectural engineering consultants, regulatory agencies, and plant staff. We captured the costs to maintain and operate the existing facilities through our computerized maintenance management system. We then identify those facilities and systems within that are generating high operation costs and concerns. Once the maintenance items are captured, we then will prioritize these projects to improve and extend the lifecycle of our systems and equipment and reduce the maintenance and operating cost for the university.

Eastern's facilities are complex and costly resources to maintain and operate. These minor projects enable us to defer major capital expenditures through creative preservation measures that extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects to respond to the improvement and maintenance needs of our facilities and arranged for these projects to be completed within one renovation or improvement phase.

Priority #9 and #10 – Minor Works Program - $12,250,000

Program projects primarily achieve academic and student support goals. This project includes updating and improving spaces that are in need to improve the program delivery. Minor Works Program is divided into 2 categories:

- Program State Resources 057 $6,500,000
- Program Eastern Washington University Local Capital 061 $5,750,000

These projects will significantly improve the spaces and their functionality. The requests are priority based upon on-going assessment, review, and prioritization of campus programs and the needs to support academic instruction and university operations. These projects were identified through evaluation of our current systems by architectural engineering consultants, academic program departments, and plant staff.

From these requests and assessment, we compiled a list for projects and budgetary estimate costs for review and funding requests. These projects are the highest priority to align facilities improvement with the current and future needs of individual departments and general campus spaces. In many cases, the evaluation of these request show the deteriorating condition of some of the spaces, systems, and equipment. We captured the costs to maintain and operate these facilities through our computerized maintenance management systems (CMMS) to identify those that have the highest need for improvements.

Priority #11 – Preventative Maintenance and Building Systems Upgrades- $2,217,000

RCW 43.88 requires that Eastern Washington University to submit a strategic plan for the reduction of our maintenance backlog. The plan includes specific goals, primarily:

1. Financial stewardship of university facilities
2. Reducing or stabilizing the cost of maintenance and operations of university facilities during times of reduced funding.
3. Surveying, indemnifying and prioritizing maintenance and operations for the best use of available resources.
4. Reduction in deferred maintenance backlog
5. Developing and promoting and standard for the quality of maintenance on campus.

This request specifically is assigned to the priorities listed above; it provides resources to meet the university's goals of providing a safe and quality academic environment, reduction of operating costs, and extending lifecycles of equipment and system at the university.

Each biennium, the university completes a comprehensive survey of the condition of each of our campus facilities. Through this analysis, a qualitative report is developed that identifies the condition of each facility, major and secondary building system and prioritizes projects that need to be accomplished to reduce backlog and extend system longevity. The condition survey provides a condition score from 1 to 5 for each element in a facility as defined by the American Society for Testing Materials, Uniformat classification system. Definitions of the scores are included under the heading of the Maintenance Backlog Reduction Plan below.

Eastern Washington University's Ten Year Capital Plan
https://in.ewu.edu/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The Facilities Ten-Year Plan is an integral part of Eastern's Academic Strategic Plan 2018- 2023
https://inside.ewu.edu/strategic-planning/

Reflected in this plan are commitments to:

EWU achieves this mission by:

- Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from underserved populations;
- Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning;
- Delivering a high quality co-curriculum designed to develop the intellectual, cultural, personal, and practical aspects of students' lives; and
- Promoting student success by supporting student engagement and timely degree completion

Goals and Priorities

- We IGNITE Change
- We EMBRACE Equity and Social Justice
- We DRIVE Innovation
- We TRANSFORM our Region

Eastern's Capital request is about students and they are at the center of all that Eastern does. Eastern defines student success as their students' ability to fulfill their goals in education, career, and life. The campus, facilities, and activities support student success. We are committed to consistently contributing Eastern's mission and reputation as a safe, healthy, and attractive place to learn, work, live, play, and visit. Facilities' goals are achieved by consistently investing our available resources in all areas of facilities and the campus as a whole.

Maintenance Backlog Reduction Plan

Per RCW 43.88.030 Eastern Washington University is required to develop and submit a strategic plan for reducing the university's facility maintenance backlog.

The FCA (Facilities Condition Assessment) defines the condition of facilities under the following levels:

5 – Needs Improvement; Marginal Functionality – A building with some major system that are failing and that significantly reduce the quality and usability of the building.
4 – Needs Improvement; Limited Functionality – A building with some major systems that are in poor condition, exceed expected life cycles, and require immediate attention to prevent negative impacts on facility use.
3 – Fair; System approaching end of expected life cycles – a building with some older major systems that are still functional but are approaching the end of their expected life cycles.
2- Adequate – A building with systems in good condition and functioning adequately within their expected life cycle.
1 – Superior – A building with major systems that are in extremely good condition and functioning well.

These scores are aggregate, averaged, and correlated to historical data ranges to determine the applicable facility condition index of each building system. Eastern's overall backlog is $105,191.262.

Prioritized Preservation Project List (attached)

Eastern's Facilities and planning uses the results produced from this qualitative facility condition assessment in order to identify capital preservation projects that will reduce the maintenance backlog. This information is used in conjunction with data extracted from the university's Computerized Maintenance Management System (CMMS). AiM, by Asset Works, is the CMMS product that the university currently uses.

The Facility Condition Assessment (FCA) process allows Eastern to score individual systems within each university facility. A report was generated from the software that grouped and sorted building system elements into capital projects. Each system element was assigned a cost estimate, an FCA condition score of 1 to 5, and a system significance ranking with sequential numbers based on the significance of a system to a building's overall operation.

The combination of the facility condition score and a systems significance ranking determined the priority order of projects on the preservation list. Only system elements with a condition score of 3 and above were included on the prioritized project list. Any system with a score of 2 or less is considered in adequate condition and maintained sufficiently with only minor mounts of deferred maintenance. The significance ranking structure is described below (1 is the highest rank or highest priority, based on ASTM Uniformat II Level 2 Group Elements).

1. Fire Protection
2. Conveyance Systems
3. Electrical
4. HVAC
5. Plumbing
6. Roofing
7. Exterior Closure
8. Superstructure
9. Staircases
10. Interior Construction
11. Interior Finishes
12. Fixed Furnishings and Equipment
13. Substructure

Summary

For 2016 Eastern's Facility Condition Assessment generated the following information:

- Current State Facilities Replacement Value $885,263,906
- Preservation Backlog Value Level 3 and above $194,088,245
- Facility Condition Index (percentage of CRV) 13.07%
- Facility Condition Score (average) 2.48

Eastern's Facilities goals include making a positive impact on our increasing deferred maintenance backlog through use appropriated state funds for backlog reductions ($2,217,000) in addition to application of additional Minor Works Preservation resources requested. Depending upon funds approved and available, Eastern's Facilities department intends on providing up to $4,000,000 per biennia to address the growing backlog issue. Lifecycle deterioration of components and systems continue to increase the backlog while resources to reduce it continue to be a challenge to find. A strategic multiple biennium program of investment in this university and state asset is required to meet the basic needs of campus facilities.

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Ten Year Capital Plan by Project Class
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS001
Date Run: 9/3/2020 1:21PM

Project Class: Preservation

Agency Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
2	**40000070 Infrastructure Renewal III**									
	057-1 State Bldg Constr-State	35,518,000				25,518,000	10,000,000			
4	**40000103 Eagle Recrecational Facility**									
	057-1 State Bldg Constr-State	5,960,000				5,960,000				
6	**40000072 2021-2023 Facilities Preservation**									
	057-1 State Bldg Constr-State	7,000,000				7,000,000				
7	**40000073 2021-2023 Health, Code and Compliance**									
	057-1 State Bldg Constr-State	5,700,000				5,700,000				
8	**40000074 2021-2023 Infrastructure Preservation**									
	057-1 State Bldg Constr-State	4,800,000				4,800,000				
11	**40000077 2021-2023 Preventative Maintenance/Backlog Reduction**									
	057-1 State Bldg Constr-State	2,217,000				2,217,000				
13	**30000543 Martin Hall Renovation**									
	057-1 State Bldg Constr-State	54,550,000					3,550,000	51,000,000		
14	**30000544 Kingston Hall Renovation**									
	057-1 State Bldg Constr-State	55,350,000					350,000	5,000,000	50,000,000	
15	**30000545 Showaltter Hall Remodel**									
	057-1 State Bldg Constr-State	80,400,000						400,000	5,000,000	75,000,000
	Total: Preservation	**251,495,000**				**51,195,000**	**13,900,000**	**56,400,000**	**55,000,000**	**75,000,000**

Project Class: Program

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Ten Year Capital Plan by Project Class
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS001
Date Run: 9/3/2020 1:21PM

Project Class: Program

Agency Priority	Project by Account-EA Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
1	**30000549 Science Renovation**									
	057-1 State Bldg Constr-State	90,500,000				45,000,000	45,500,000			
3	**30000556 Engineering Building**									
	057-1 State Bldg Constr-State	73,248,000				3,500,000	69,748,000			
	061-1 EWU Capital Projects-State	345,000		345,000						
	Project Total:	**73,593,000**		**345,000**		**3,500,000**	**69,748,000**			
5	**40000071 Lucy Covington Center - Pre Design**									
	061-1 EWU Capital Projects-State	18,800,000				300,000	1,000,000	17,500,000		
9	**40000075 2021-2023 Minor Works Program (057)**									
	057-1 State Bldg Constr-State	6,500,000				6,500,000				
10	**40000076 2021-2023 Minor Works Program (061)**									
	061-1 EWU Capital Projects-State	5,750,000				5,750,000				
	Total: Program	**195,143,000**		**345,000**		**61,050,000**	**116,248,000**	**17,500,000**		

Total Account Summary

Account-Expenditure Authority Type	Estimated Total	Prior Expenditures	Current Expenditures	Reapprop 2021-23	New Approp 2021-23	Estimated 2023-25	Estimated 2025-27	Estimated 2027-29	Estimated 2029-31
057-1 State Bldg Constr-State	421,743,000				106,195,000	129,148,000	56,400,000	55,000,000	75,000,000
061-1 EWU Capital Projects-State	24,895,000		345,000		6,050,000	1,000,000	17,500,000		
Total	**446,638,000**		**345,000**		**112,245,000**	**130,148,000**	**73,900,000**	**55,000,000**	**75,000,000**

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Capital FTE Summary

2021-23 Biennium

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Version: C1 Eastern Washington University

Report Number: CBS004
Date Run: 9/11/2020 11:59AM

FTEs by Job Classification

	Authorized Budget 2019-21 Biennium		2021-23 Biennium	
Job Class	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**
1102 Assoc VP-Facilities			0.5	0.5
1104 Sr. Project Manager			3.0	3.0
1588 Admin Specialist			1.0	1.0
537K Const Project Coord 3			2.0	2.0
537L Construction Project Coord 4			1.0	1.0
5381 Engineering Technician 3			1.0	1.0
569K Maintenance Specialist			3.0	3.0
607G Control Technician Lead			1.0	1.0
608F Electrician			3.0	3.0
6191 Sign Painter Lead			1.0	1.0
619F Painter			1.0	1.0
619H Painter Lead			1.0	1.0
621F Plumber/Pipeftr/Stmftr			2.0	2.0
621J HVAC Tech			1.0	1.0
626K Maintenance Mechanic 2			3.0	3.0
626L Maintenance Mechanic 3			6.0	6.0
7100H Office Aid			1.0	1.0
Total FTEs			**31.5**	**31.5**

Account

	Authorized Budget 2019-21 Biennium		2021-23 Biennium	
Account - Expenditure Authority Type	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**
001-1 General Fund-State			1,500,000	1,500,000
148-6 HE - Dedicated Locl-Non-Appropriated			1,800,000	1,800,000
Total Funding			**3,300,000**	**3,300,000**

Narrative

The FTE are lower than the current biennium due to the anticipated budget reduction.

Allyson Brooks Ph.D., Director
State Historic Preservation Officer

May 31, 2016

Mr. James Moeller
Facilities and Planning
Eastern Washington University
101 Rozwell
Cheney, WA 99004-2446

In future correspondence please refer to:
Project Tracking Code: 2016-05-03729
Property: Science Building Renovation
Re: NOT Eligible

Dear Mr. Moeller:

Thank you for contacting the Washington State Historic Preservation Officer (SHPO) and Department of Archaeology and Historic Preservation (DAHP). The above referenced property has been reviewed on behalf of the SHPO under provisions of Governor's Executive Order 05-05. Our review is based upon documentation contained in your communication.

Research indicates that this property is not currently listed in the Washington Heritage Register or National Register of Historic Places. As a result of our review, we concur with your determination that the Science Building is NOT ELIGIBLE for the National Register of Historic Places under criterion C.

As a result of our concurrence, further contact with DAHP on this matter is not necessary. However, if new information on the property becomes available and if the project scope of work, or location changes significantly, please resume consultation as our assessment may be revised. Also, if any archaeological resources are uncovered during construction, please halt work immediately in the area of discovery and contact the appropriate Native American Tribes and DAHP for further consultation.

Thank you for the opportunity to review and comment. Should you have any questions, please feel free to contact me.

Sincerely,

Russell Holter
Project Compliance Reviewer
(360) 586-3533
russell.holter@dahp.wa.gov

8.6 LETTER FROM DAHP

Allyson Brooks Ph.D., Director
State Historic Preservation Officer

June 22, 2020

Troy Bester
Senior Project Manager
EWU Construction and Planning Services
101 Rozell
Cheney, WA 99004

In future correspondence please refer to:
Project Tracking Code: 2020-06-04168
Re: EWU Engineering Building

Dear Troy Bester:

Thank you for contacting the Washington State Department of Archaeology and Historic Preservation (DAHP). The above referenced project has been reviewed on behalf of the State Historic Preservation Officer (SHPO) under provisions of Governor's Executive Order 05-05. Our review is based upon documentation contained in your communication.

We understand the current project to be in the pre-design phase, and it is therefore exempt from further review under Governor's Executive Order 05-05. Should the construction phase of the project become obligated with Washington State Capital Funding, we look forward to continuing consultation. In order to initiate this consultation, we will request the following items:

- EZ-1 form prepared for all ground disturbing activities
- EZ-2 forms for any buildings or structures 45 years in age or more that are proposed for alteration or demolition; please note, due to the lack of information requested in an EZ-2, DAHP may request the preparation of a Historic Property Inventory Form during consultation. This HPIF must be completed by a cultural resource professional, and would provide the University and DAHP the most information possible to make our decisions.

Thank you for the opportunity to review and comment. Please ensure that the DAHP Project Number (a.k.a. Project Tracking Code) is shared with any hired cultural resource consultants and is attached to any communications or submitted reports. If you have any questions, please feel free to contact me.

Sincerely,

Holly Borth
Project Compliance Reviewer
(360) 586-3533
holly.borth@dahp.wa.gov

State of Washington • **Department of Archaeology & Historic Preservation**
P.O. Box 48343 • Olympia, Washington 98504-8343 • (360) 586-3065
www.dahp.wa.gov

EASTERN WASHINGTON UNIVERSITY
start something big

EWU Current Replacement Value:	885,263,906
EWU Preservation Back Log Value:	115,725,271
EWU Facility Condition Index:	13.07%
EWU Facility Condition Score:	2.48

	CRV	FCA Score	CI	Backlog
Capital Funding Source: Mixed	104,546,676	1.61	6.82%	7,134,157
Pence Union Building				
Gross SF: 124,787 CRV $/SF: 421	52,492,899	1.22	3.53%	1,853,255
Equipment and Furnishings	533,464	1.00	2.25%	12,003
Equipment and Furnishings	533,464	1.00	2.25%	12,003
Interiors	10,669,289	1.00	2.25%	240,059
Interior Construction	4,801,180	1.00	2.25%	108,027
Interior Finishes	4,801,180	1.00	2.25%	108,027
Staircases	1,066,929	1.00	2.25%	24,006
Services	23,685,820	1.11	2.86%	676,966
Electrical	8,001,966	1.00	2.25%	180,044
Fire Protection	1,066,929	1.00	2.25%	24,006
HVAC	9,282,281	1.40	3.80%	352,887
Plumbing	4,801,180	1.00	2.25%	108,027
Vertical Transportation	533,464	1.00	2.25%	12,003
Shell	12,803,146	1.63	5.06%	648,159
Exterior Closure	4,801,180	1.00	2.25%	108,027
Roofing	1,600,393	2.00	6.75%	108,027
Superstructure	6,401,573	2.00	6.75%	432,106
Special Construction	1,066,929	1.00	2.25%	24,006
Special Construction	1,066,929	1.00	2.25%	24,006
Substructure	3,734,251	2.00	6.75%	252,062
Foundations	3,734,251	2.00	6.75%	252,062
Tawanka Commons				
Gross SF: 73,735 CRV $/SF: 378	27,890,409	2.85	16.19%	4,515,995
Equipment and Furnishings	290,525	2.00	6.75%	19,610
Equipment and Furnishings	290,525	2.00	6.75%	19,610
Interiors	5,810,502	2.25	7.88%	457,577
Interior Construction	2,614,726	2.00	6.75%	176,494
Interior Finishes	2,614,726	2.00	6.75%	176,494
Staircases	581,050	3.00	18.00%	104,589
Services	12,783,104	3.11	20.51%	2,622,207
Electrical	4,067,351	2.33	14.18%	576,547
Fire Protection	581,050	3.75	56.08%	325,824
HVAC	5,229,452	3.17	22.29%	1,165,514
Plumbing	2,614,726	3.20	20.45%	534,711
Vertical Transportation	290,525	2.00	6.75%	19,610
Shell	6,972,602	3.25	18.35%	1,279,327
Exterior Closure	2,614,726	2.67	14.55%	380,443
Roofing	871,575	4.00	32.93%	287,039
Superstructure	3,486,301	3.00	17.55%	611,846
Substructure	2,033,676	2.00	6.75%	137,273
Foundations	2,033,676	2.00	6.75%	137,273
University Recreation Center				
Gross SF: 25,875 CRV $/SF: 934	24,163,369	1.22	3.17%	764,907
Equipment and Furnishings	245,813	1.00	2.25%	5,531
Equipment and Furnishings	245,813	1.00	2.25%	

			CRV	FCA Score	CI	Backlog
Interiors			4,916,250	1.06	2.53%	124,443
Interior Construction			2,212,312	1.00	2.25%	49,777
Interior Finishes			2,212,313	1.17	2.88%	63,604
Staircases			491,625	1.00	2.25%	11,062
Services			11,135,306	1.36	3.75%	418,127
Electrical			3,564,281	1.00	2.25%	80,196
Fire Protection			442,463	1.33	4.25%	18,805
HVAC			4,670,437	1.43	4.38%	204,639
Plumbing			2,212,313	1.60	4.93%	108,956
Vertical Transportation			245,812	1.00	2.25%	5,531
Shell			5,899,500	1.19	2.93%	172,560
Exterior Closure			2,212,312	1.00	2.25%	49,777
Roofing			737,438	1.50	7.65%	56,414
Superstructure			2,949,750	1.00	2.25%	66,369
Special Construction			245,812	1.00	2.25%	5,531
Special Construction			245,812	1.00	2.25%	5,531
Substructure			1,720,687	1.00	2.25%	38,715
Foundations			1,720,687	1.00	2.25%	38,715
Capital Funding Source:		State	780,717,230	2.56	13.91%	108,591,113
Aquatics Building						
Gross SF:	21,237	CRV $/SF: 465	9,871,701	2.47	12.04%	1,188,973
Interiors			2,118,391	2.13	7.59%	160,865
Interior Construction			953,276	2.33	8.63%	82,220
Interior Finishes			953,276	2.00	6.75%	64,346
Staircases			211,839	2.00	6.75%	14,299
Services			4,469,804	2.75	15.64%	699,228
Electrical			1,482,874	2.33	14.18%	210,197
Fire Protection			21,184	2.00	6.75%	1,430
HVAC			2,012,471	2.43	10.89%	219,253
Plumbing			953,276	3.60	28.15%	268,347
Shell			2,542,069	2.38	10.97%	278,833
Exterior Closure			953,276	3.00	18.00%	171,590
Roofing			317,759	2.00	6.75%	21,449
Superstructure			1,271,034	2.00	6.75%	85,795
Substructure			741,437	2.00	6.75%	50,047
Foundations			741,437	2.00	6.75%	50,047
Art Building						
Gross SF:	35,493	CRV $/SF: 535	19,005,011	2.95	18.88%	3,587,342
Equipment and Furnishings			194,723	2.50	10.13%	19,716
Equipment and Furnishings			194,723	2.50	10.13%	19,716
Interiors			3,894,469	2.50	10.46%	407,459
Interior Construction			1,752,511	2.67	11.50%	201,539
Interior Finishes			1,752,511	2.33	9.88%	173,060
Staircases			389,447	2.50	8.44%	32,860
Services			8,489,943	3.47	27.54%	2,338,239
Electrical			2,726,129	3.33	23.96%	653,249
Fire Protection			311,558	3.50	59.47%	185,279
HVAC			3,505,022	3.67	25.44%	891,590
Plumbing			1,752,511	3.40	32.70%	573,071
Vertical Transportation			194,723	3.00	18.00%	35,050
Shell			4,673,363	2.38	10.97%	512,610
Exterior Closure			1,752,511	3.00	18.00%	315,452
Roofing			584,170	2.00	6.75%	39,432
Superstructure			2,336,682	2.00	6.75%	157,726
Special Construction			389,447	3.00	18.00%	70,100
Special Construction			389,447	3.00	18.00%	

				CRV	FCA Score	CI	Backlog
Substructure				1,363,064	3.00	17.55%	239,218
Foundations				1,363,064	3.00	17.55%	239,218
Biology Boat Garage							
Gross SF:	1,973	CRV $/SF:	211	416,668	2.50	12.61%	52,550
Services				116,228	3.00	18.00%	20,921
Electrical				116,228	3.00	18.00%	20,921
Shell				223,685	2.33	10.28%	22,993
Exterior Closure				70,176	3.00	18.00%	12,632
Roofing				21,930	2.00	6.75%	1,480
Superstructure				131,579	2.00	6.75%	8,882
Substructure				76,755	2.50	11.25%	8,635
Foundations				76,755	2.50	11.25%	8,635
Biology Storage							
Gross SF:	598	CRV $/SF:	262	156,531	3.00	18.00%	28,176
Interiors				21,602	3.00	18.00%	3,888
Interior Finishes				21,602	3.00	18.00%	3,888
Services				35,228	3.00	18.00%	6,341
Electrical				35,228	3.00	18.00%	6,341
Shell				76,438	3.00	18.00%	13,759
Exterior Closure				29,910	3.00	18.00%	5,384
Roofing				6,647	3.00	18.00%	1,196
Superstructure				39,881	3.00	18.00%	7,179
Substructure				23,264	3.00	18.00%	4,187
Foundations				23,264	3.00	18.00%	4,187
Cadet Hall							
Gross SF:	10,187	CRV $/SF:	460	4,683,450	3.24	22.62%	1,059,379
Equipment and Furnishings				55,888	3.00	18.00%	10,060
Equipment and Furnishings				55,888	3.00	18.00%	10,060
Interiors				1,117,769	3.00	18.00%	201,198
Interior Construction				502,996	3.00	18.00%	90,539
Interior Finishes				502,996	3.00	18.00%	90,539
Staircases				111,777	3.00	18.00%	20,120
Services				1,777,252	3.79	31.24%	555,126
Electrical				782,438	3.67	29.93%	234,145
Fire Protection				89,421	4.50	62.84%	56,196
HVAC				480,640	4.00	34.24%	164,563
Plumbing				424,752	3.25	23.60%	100,222
Shell				1,341,322	2.63	16.59%	222,576
Exterior Closure				502,996	3.00	18.00%	90,539
Roofing				167,665	2.00	6.75%	11,317
Superstructure				670,661	3.00	18.00%	120,719
Substructure				391,219	3.00	18.00%	70,419
Foundations				391,219	3.00	18.00%	70,419
Carpenter Storage							
Gross SF:	3,600	CRV $/SF:	162	581,742	2.00	6.75%	39,268
Interiors				172,368	2.00	6.75%	11,635
Interior Construction				80,798	2.00	6.75%	5,454
Interior Finishes				70,025	2.00	6.75%	4,727
Staircases				21,546	2.00	6.75%	1,454
Services				114,194	2.00	6.75%	7,708
Electrical				114,194	2.00	6.75%	7,708
Shell				219,769	2.00	6.75%	14,834
Exterior Closure				68,947	2.00	6.75%	4,654
Roofing				21,546	2.00	6.75%	1,454
Superstructure				129,276	2.00	6.75%	8,726

			CRV	FCA Score	CI	Backlog
Substructure			75,411	2.00	6.75%	5,090
Foundations			75,411	2.00	6.75%	5,090
Central Services Building						
Gross SF: 13,091	CRV $/SF:	266	3,482,641	2.48	13.28%	462,576
Equipment and Furnishings			11,752	3.00	18.00%	2,115
Equipment and Furnishings			11,752	3.00	18.00%	2,115
Interiors			724,734	2.29	11.43%	82,855
Interior Construction			293,811	2.50	14.55%	42,750
Interior Finishes			352,573	2.33	9.88%	34,817
Staircases			78,350	2.00	6.75%	5,289
Services			1,531,735	2.67	16.71%	255,968
Electrical			548,447	2.33	14.18%	77,742
Fire Protection			15,670	1.00	2.25%	353
HVAC			669,889	3.17	18.55%	124,282
Plumbing			297,729	3.00	18.00%	53,591
Shell			940,196	2.38	10.97%	103,128
Exterior Closure			352,573	3.00	18.00%	63,463
Roofing			117,524	2.00	6.75%	7,933
Superstructure			470,098	2.00	6.75%	31,732
Substructure			274,224	2.00	6.75%	18,510
Foundations			274,224	2.00	6.75%	18,510
Chemical Storage						
Gross SF: 864	CRV $/SF:	256	220,803	2.48	11.61%	25,637
Interiors			42,661	2.40	10.84%	4,625
Interior Construction			19,391	2.00	6.75%	1,309
Interior Finishes			23,270	2.67	14.25%	3,316
Services			97,991	2.92	15.92%	15,602
Electrical			36,197	2.00	6.75%	2,443
Fire Protection			3,620	2.00	6.75%	244
HVAC			44,212	3.17	18.55%	8,203
Plumbing			13,962	4.00	33.75%	4,712
Shell			62,052	2.00	6.75%	4,189
Exterior Closure			23,270	2.00	6.75%	1,571
Roofing			7,757	2.00	6.75%	524
Superstructure			31,026	2.00	6.75%	2,094
Substructure			18,099	2.00	6.75%	1,222
Foundations			18,099	2.00	6.75%	1,222
Cheney Hall						
Gross SF: 31,018	CRV $/SF:	500	15,493,801	2.86	16.00%	2,479,251
Equipment and Furnishings			162,069	1.50	3.60%	5,834
Equipment and Furnishings			162,069	1.50	3.60%	5,834
Interiors			3,241,381	2.75	16.19%	524,739
Interior Construction			1,458,621	3.00	18.00%	262,552
Interior Finishes			1,458,621	3.00	16.48%	240,308
Staircases			324,138	2.00	6.75%	21,879
Services			7,066,211	3.29	20.34%	1,437,431
Electrical			2,268,967	2.67	13.31%	301,935
Fire Protection			259,310	4.00	60.88%	157,855
HVAC			2,917,243	3.50	21.15%	616,997
Plumbing			1,458,621	3.20	22.73%	331,472
Vertical Transportation			162,069	3.00	18.00%	29,172
Shell			3,889,657	2.63	11.18%	434,669
Exterior Closure			1,458,621	3.00	15.30%	223,169
Roofing			486,207	2.67	16.50%	80,224
Superstructure			1,944,829	2.00	6.75%	131,276
Substructure			1,134,483	2.00	6.75%	76,578

				CRV	FCA Score	CI	Backlog
Foundations				1,134,483	2.00	6.75%	76,578
Childcare Facility							
Gross SF:	**14,865**	**CRV $/SF:**	**301**	**4,473,064**	**2.34**	**10.95%**	**489,949**
Equipment and Furnishings				14,828	2.00	6.75%	1,001
Equipment and Furnishings				14,828	2.00	6.75%	1,001
Interiors				889,670	2.00	8.81%	78,402
Interior Construction				444,835	2.00	6.75%	30,026
Interior Finishes				444,835	2.00	10.88%	48,376
Services				2,036,356	2.33	10.33%	210,296
Electrical				691,966	2.00	6.75%	46,708
Fire Protection				79,082	2.00	6.75%	5,338
HVAC				889,670	2.83	14.94%	132,894
Plumbing				375,639	2.00	6.75%	25,356
Shell				1,186,227	2.50	11.63%	137,973
Exterior Closure				444,835	3.00	10.77%	47,894
Roofing				148,278	2.00	6.75%	10,009
Superstructure				593,113	2.50	13.50%	80,070
Substructure				345,983	3.00	18.00%	62,277
Foundations				345,983	3.00	18.00%	62,277
Communications Center							
Gross SF:	**19,289**	**CRV $/SF:**	**506**	**9,767,581**	**2.89**	**16.98%**	**1,658,875**
Equipment and Furnishings				105,824	3.00	18.00%	19,048
Equipment and Furnishings				105,824	3.00	18.00%	19,048
Interiors				2,116,486	2.38	9.62%	203,579
Interior Construction				952,418	2.33	9.63%	91,670
Interior Finishes				952,418	2.33	9.88%	94,051
Staircases				211,649	2.50	8.44%	17,858
Services				4,264,718	3.40	24.10%	1,027,660
Electrical				1,481,540	3.33	23.96%	355,014
Fire Protection				169,319	3.00	18.00%	30,477
HVAC				1,703,771	3.60	24.46%	416,683
Plumbing				804,265	3.25	23.60%	189,769
Vertical Transportation				105,824	4.00	33.75%	35,716
Shell				2,539,783	2.38	10.97%	278,582
Exterior Closure				952,418	3.00	18.00%	171,435
Roofing				317,473	2.00	6.75%	21,429
Superstructure				1,269,891	2.00	6.75%	85,718
Substructure				740,770	3.00	17.55%	130,005
Foundations				740,770	3.00	17.55%	130,005
Computing and Engineering Sciences Bldg							
Gross SF:	**98,383**	**CRV $/SF:**	**500**	**49,143,292**	**1.70**	**6.31%**	**3,103,199**
Equipment and Furnishings				514,051	2.00	13.28%	68,240
Equipment and Furnishings				514,051	2.00	13.28%	68,240
Interiors				10,281,024	1.38	3.85%	395,562
Interior Construction				4,626,461	1.00	2.25%	104,095
Interior Finishes				4,626,461	1.67	5.65%	261,395
Staircases				1,028,102	1.50	2.93%	30,072
Services				22,412,631	2.06	8.15%	1,827,452
Electrical				7,196,716	1.67	5.66%	407,129
Fire Protection				822,482	2.00	6.75%	55,518
HVAC				9,252,921	2.33	11.00%	1,017,821
Plumbing				4,626,461	2.00	6.75%	312,286
Vertical Transportation				514,051	2.00	6.75%	34,698
Shell				12,337,228	1.00	2.25%	277,588
Exterior Closure				4,626,460	1.00	2.25%	104,095
Roofing				1,542,154	1.00	2.25%	34,698

			CRV	FCA Score	CI	Backlog
Superstructure			6,168,614	1.00	2.25%	138,794
Substructure			3,598,358	2.50	14.85%	534,356
Foundations			3,598,358	2.50	14.85%	534,356
Electric Storage						
Gross SF:	1,600	CRV $/SF: 140	224,078	2.00	6.75%	15,125
Interiors			42,134	2.00	6.75%	2,844
Interior Construction			11,012	2.00	6.75%	743
Interior Finishes			31,122	2.00	6.75%	2,101
Services			50,753	2.00	6.75%	3,426
Electrical			50,753	2.00	6.75%	3,426
Shell			97,675	2.00	6.75%	6,593
Exterior Closure			30,643	2.00	6.75%	2,068
Roofing			9,576	2.00	6.75%	646
Superstructure			57,456	2.00	6.75%	3,878
Substructure			33,516	2.00	6.75%	2,262
Foundations			33,516	2.00	6.75%	2,262
Fifth Street Hall						
Gross SF:	7,163	CRV $/SF: 299	2,140,016	4.63	53.22%	1,138,954
Equipment and Furnishings			17,101	5.00	67.00%	11,457
Equipment and Furnishings			17,101	5.00	67.00%	11,457
Interiors			451,944	4.00	33.75%	152,531
Interior Construction			183,221	4.00	33.75%	61,837
Interior Finishes			219,865	4.00	33.75%	74,204
Staircases			48,859	4.00	33.75%	16,490
Services			938,089	5.00	67.00%	628,520
Electrical			258,952	5.00	67.00%	173,498
Fire Protection			4,886	5.00	67.00%	3,274
HVAC			464,159	5.00	67.00%	310,986
Plumbing			185,664	5.00	67.00%	124,395
Vertical Transportation			24,429	5.00	67.00%	16,368
Shell			561,876	4.43	45.32%	254,616
Exterior Closure			219,865	4.67	57.39%	126,190
Roofing			48,859	4.50	60.35%	29,486
Superstructure			293,153	4.00	33.75%	98,939
Substructure			171,006	4.50	53.70%	91,830
Foundations			171,006	4.50	53.70%	91,830
Greenhouse Boneyard						
Gross SF:	1,421	CRV $/SF: 89	126,287	3.47	23.69%	29,914
Equipment and Furnishings			776	4.00	33.75%	262
Equipment and Furnishings			776	4.00	33.75%	262
Services			69,613	3.20	20.40%	14,201
Electrical			13,716	3.00	18.00%	2,469
HVAC			33,901	3.00	18.00%	6,102
Plumbing			21,997	3.50	25.60%	5,631
Shell			39,853	3.60	28.23%	11,249
Exterior Closure			23,291	3.67	32.70%	7,616
Roofing			4,141	4.00	33.75%	1,397
Superstructure			12,422	3.00	18.00%	2,236
Special Construction			5,176	5.00	67.00%	3,468
Special Construction			5,176	5.00	67.00%	3,468
Substructure			10,869	2.00	6.75%	734
Foundations			10,869	2.00	6.75%	734
Greenhouse Science						
Gross SF:	1,754	CRV $/SF: 135	236,059	2.83	15.85%	37,416
Interiors			20,763	2.00	6.75%	1,401

				CRV	FCA Score	CI	Backlog
Interior Finishes				20,763	2.00	6.75%	1,401
Services				113,078	3.64	24.99%	28,253
Electrical				33,860	3.00	18.00%	6,095
HVAC				57,497	3.67	25.79%	14,827
Plumbing				21,721	4.00	33.75%	7,331
Shell				73,469	2.00	6.75%	4,959
Exterior Closure				28,749	2.00	6.75%	1,941
Roofing				6,389	2.00	6.75%	431
Superstructure				38,332	2.00	6.75%	2,587
Special Construction				6,389	3.00	20.25%	1,294
Special Construction				6,389	3.00	20.25%	1,294
Substructure				22,360	2.00	6.75%	1,509
Foundations				22,360	2.00	6.75%	1,509
Grounds Covered Storage							
Gross SF:	2,920	CRV $/SF:	157	457,003	2.21	9.16%	41,858
Interiors				102,236	2.00	6.75%	6,901
Interior Construction				45,438	2.00	6.75%	3,067
Interior Finishes				56,798	2.00	6.75%	3,834
Services				92,624	3.00	18.00%	16,672
Electrical				92,624	3.00	18.00%	16,672
Shell				200,976	2.14	7.04%	14,156
Exterior Closure				78,643	2.33	7.50%	5,898
Roofing				17,476	2.00	6.75%	1,180
Superstructure				104,857	2.00	6.75%	7,078
Substructure				61,167	2.00	6.75%	4,129
Foundations				61,167	2.00	6.75%	4,129
Hargreaves Hall							
Gross SF:	56,616	CRV $/SF:	490	27,718,203	1.19	3.04%	843,305
Equipment and Furnishings				295,819	1.00	2.25%	6,656
Equipment and Furnishings				295,819	1.00	2.25%	6,656
Interiors				5,916,372	1.00	2.25%	133,118
Interior Construction				2,662,367	1.00	2.25%	59,903
Interior Finishes				2,662,367	1.00	2.25%	59,903
Staircases				591,637	1.00	2.25%	13,312
Services				12,335,636	1.25	2.65%	326,806
Electrical				4,141,460	1.00	2.25%	93,183
Fire Protection				473,310	2.00	6.75%	31,948
HVAC				4,762,679	1.40	2.84%	135,115
Plumbing				2,662,367	1.00	2.25%	59,903
Vertical Transportation				295,819	1.00	2.25%	6,656
Shell				7,099,646	1.13	3.34%	236,951
Exterior Closure				2,662,367	1.33	5.15%	137,112
Roofing				887,456	1.00	2.25%	19,968
Superstructure				3,549,823	1.00	2.25%	79,871
Substructure				2,070,730	2.00	6.75%	139,774
Foundations				2,070,730	2.00	6.75%	139,774
Hazardous Waste Transfer Facility							
Gross SF:	1,196	CRV $/SF:	246	293,878	2.25	8.77%	25,787
Interiors				61,639	2.00	6.75%	4,161
Interior Construction				35,790	2.00	6.75%	2,416
Interior Finishes				25,849	2.00	6.75%	1,745
Services				123,278	2.55	11.58%	14,271
Electrical				42,153	2.00	6.75%	2,845
Fire Protection				795	3.00	18.00%	143
HVAC				52,095	3.00	18.00%	9,377
Plumbing				28,235	2.00	6.75%	1,906

			CRV	FCA Score	CI	Backlog
Shell			81,125	2.00	6.75%	5,476
Exterior Closure			25,451	2.00	6.75%	1,718
Roofing			7,953	2.00	6.75%	537
Superstructure			47,720	2.00	6.75%	3,221
Substructure			27,837	2.00	6.75%	1,879
Foundations			27,837	2.00	6.75%	1,879
Huston Hall						
Gross SF:	27,425	CRV $/SF: 498	13,670,402	2.76	16.48%	2,252,715
Equipment and Furnishings			143,296	2.50	10.13%	14,509
Equipment and Furnishings			143,296	2.50	10.13%	14,509
Interiors			2,865,913	2.63	15.64%	448,157
Interior Construction			1,289,661	3.00	18.00%	232,139
Interior Finishes			1,289,661	2.67	15.25%	196,673
Staircases			286,591	2.00	6.75%	19,345
Services			6,219,030	2.89	18.78%	1,167,788
Electrical			2,006,139	2.33	14.18%	284,370
Fire Protection			257,932	2.33	8.00%	20,635
HVAC			2,722,617	3.29	23.54%	640,961
Plumbing			1,089,047	3.00	18.00%	196,028
Vertical Transportation			143,296	3.00	18.00%	25,793
Shell			3,439,095	2.75	14.81%	509,416
Exterior Closure			1,289,661	2.67	10.75%	138,639
Roofing			429,887	2.67	14.25%	61,259
Superstructure			1,719,547	3.00	18.00%	309,519
Substructure			1,003,069	2.50	11.25%	112,845
Foundations			1,003,069	2.50	11.25%	112,845
Indian Education Center						
Gross SF:	3,537	CRV $/SF: 479	1,692,844	2.62	15.88%	268,891
Equipment and Furnishings			5,544	2.00	6.75%	374
Equipment and Furnishings			5,544	2.00	6.75%	374
Interiors			369,617	2.25	9.11%	33,681
Interior Construction			166,327	2.00	6.75%	11,227
Interior Finishes			166,327	2.33	9.88%	16,425
Staircases			36,962	2.50	16.31%	6,029
Services			744,777	2.93	18.18%	135,427
Electrical			258,732	3.00	17.57%	45,449
Fire Protection			29,569	4.00	60.88%	18,000
HVAC			316,022	3.00	18.00%	56,884
Plumbing			140,454	2.25	10.75%	15,094
Shell			443,540	2.00	6.75%	29,939
Exterior Closure			166,327	2.00	6.75%	11,227
Roofing			55,442	2.00	6.75%	3,742
Superstructure			221,770	2.00	6.75%	14,969
Substructure			129,366	4.50	53.70%	69,469
Foundations			129,366	4.50	53.70%	69,469
Isle Hall						
Gross SF:	34,322	CRV $/SF: 514	17,643,623	3.58	30.06%	5,302,926
Equipment and Furnishings			188,299	3.00	14.85%	27,962
Equipment and Furnishings			188,299	3.00	14.85%	27,962
Interiors			3,765,981	3.38	29.72%	1,119,109
Interior Construction			1,694,692	3.33	20.63%	349,530
Interior Finishes			1,694,692	3.67	41.41%	701,791
Staircases			376,598	3.00	18.00%	67,788
Services			7,852,071	3.75	30.60%	2,402,602
Electrical			2,636,187	4.00	33.75%	889,713
Fire Protection			301,279	4.50	62.84%	189,335

	CRV	FCA Score	CI	Backlog
HVAC	3,031,615	3.40	24.55%	744,393
Plumbing	1,694,692	3.60	30.43%	515,610
Vertical Transportation	188,299	4.00	33.75%	63,551
Shell	4,519,178	3.75	33.55%	1,515,996
Exterior Closure	1,694,692	4.00	42.31%	716,949
Roofing	564,897	3.67	31.65%	178,790
Superstructure	2,259,589	3.50	27.45%	620,257
Substructure	1,318,093	3.00	18.00%	237,257
Foundations	1,318,093	3.00	18.00%	237,257
Jim Thorpe Fieldhouse				
Gross SF: 51,316 CRV $/SF: 413	**21,181,962**	**2.76**	**16.02%**	**3,394,294**
Interiors	4,509,394	2.14	8.15%	367,455
Interior Construction	1,828,133	2.50	10.20%	186,470
Interior Finishes	2,193,759	2.00	6.75%	148,079
Staircases	487,502	2.00	6.75%	32,906
Services	9,116,287	3.17	20.83%	1,899,247
Electrical	3,412,514	2.67	15.27%	521,018
Fire Protection	48,750	2.00	6.75%	3,291
HVAC	3,924,391	3.60	24.46%	959,770
Plumbing	1,730,632	3.33	23.99%	415,169
Shell	5,850,024	2.75	15.99%	935,638
Exterior Closure	2,193,759	3.33	28.15%	617,543
Roofing	731,253	2.67	16.50%	120,657
Superstructure	2,925,012	2.00	6.75%	197,438
Substructure	1,706,257	2.50	11.25%	191,954
Foundations	1,706,257	2.50	11.25%	191,954
John F Kennedy Library				
Gross SF: 165,159 CRV $/SF: 406	**67,076,370**	**2.50**	**11.56%**	**7,752,467**
Equipment and Furnishings	700,171	2.00	6.75%	47,262
Equipment and Furnishings	700,171	2.00	6.75%	47,262
Interiors	14,003,418	2.25	9.00%	1,260,308
Interior Construction	6,301,538	2.33	8.63%	543,508
Interior Finishes	6,301,538	2.33	9.88%	622,277
Staircases	1,400,342	2.00	6.75%	94,523
Services	30,667,485	2.83	15.57%	4,774,991
Electrical	9,802,392	3.00	18.00%	1,764,431
Fire Protection	1,260,308	2.00	6.75%	85,071
HVAC	12,603,076	3.00	13.21%	1,665,181
Plumbing	6,301,538	3.00	18.00%	1,134,277
Vertical Transportation	700,171	3.00	18.00%	126,031
Shell	16,804,101	2.25	7.97%	1,339,077
Exterior Closure	6,301,538	2.00	6.75%	425,354
Roofing	2,100,513	2.67	16.50%	346,585
Superstructure	8,402,050	2.00	6.75%	567,138
Substructure	4,901,196	2.00	6.75%	330,831
Foundations	4,901,196	2.00	6.75%	330,831
Kingston Hall				
Gross SF: 49,427 CRV $/SF: 514	**25,408,524**	**2.69**	**15.00%**	**3,810,872**
Equipment and Furnishings	271,169	3.00	18.00%	48,810
Equipment and Furnishings	271,169	3.00	18.00%	48,810
Interiors	5,423,378	2.38	10.18%	552,168
Interior Construction	2,440,520	2.67	11.25%	274,558
Interior Finishes	2,440,520	2.33	9.88%	241,001
Staircases	542,338	2.00	6.75%	36,608
Services	11,307,742	3.06	20.94%	2,367,914
Electrical	3,796,364	2.33	14.18%	

			CRV	FCA Score	CI	Backlog
Fire Protection			433,870	2.50	29.81%	129,348
HVAC			4,365,819	3.60	24.46%	1,067,727
Plumbing			2,440,520	3.40	25.18%	614,401
Vertical Transportation			271,169	2.00	6.75%	18,304
Shell			6,508,053	2.38	10.97%	713,852
Exterior Closure			2,440,520	3.00	18.00%	439,294
Roofing			813,507	2.00	6.75%	54,912
Superstructure			3,254,026	2.00	6.75%	219,647
Substructure			1,898,182	2.00	6.75%	128,127
Foundations			1,898,182	2.00	6.75%	128,127
Martin Hall						
Gross SF:	57,792	CRV $/SF: 489	28,233,559	3.30	21.73%	6,136,270
Equipment and Furnishings			301,963	2.50	10.13%	30,574
Equipment and Furnishings			301,963	2.50	10.13%	30,574
Interiors			6,039,264	3.13	19.18%	1,158,406
Interior Construction			2,717,669	3.33	20.63%	560,519
Interior Finishes			2,717,669	3.00	18.00%	489,180
Staircases			603,926	3.00	18.00%	108,707
Services			12,531,473	3.41	23.15%	2,900,885
Electrical			4,529,448	3.75	26.83%	1,215,326
Fire Protection			543,534	4.00	57.86%	314,495
HVAC			5,163,571	3.17	18.55%	957,978
Plumbing			2,294,920	3.00	18.00%	413,086
Shell			7,247,117	3.50	23.12%	1,675,443
Exterior Closure			2,717,669	3.00	18.00%	489,180
Roofing			905,890	4.00	33.75%	305,738
Superstructure			3,623,558	3.50	24.30%	880,525
Substructure			2,113,742	3.00	17.55%	370,962
Foundations			2,113,742	3.00	17.55%	370,962
Monroe Hall						
Gross SF:	49,194	CRV $/SF: 482	23,724,667	2.09	10.03%	2,379,278
Equipment and Furnishings			257,039	2.50	14.63%	37,592
Equipment and Furnishings			257,039	2.50	14.63%	37,592
Interiors			5,140,773	1.50	4.84%	248,685
Interior Construction			2,313,348	2.00	6.75%	156,151
Interior Finishes			2,313,348	1.33	3.50%	80,967
Staircases			514,077	1.00	2.25%	11,567
Services			10,358,658	2.20	11.44%	1,185,012
Electrical			3,598,541	2.33	9.48%	341,219
Fire Protection			411,262	2.00	6.75%	27,760
HVAC			4,138,322	2.40	16.11%	666,823
Plumbing			1,953,494	2.00	6.75%	131,861
Vertical Transportation			257,039	2.00	6.75%	17,350
Shell			6,168,927	2.13	9.47%	584,120
Exterior Closure			2,313,348	2.33	14.00%	323,869
Roofing			771,116	2.00	6.75%	52,050
Superstructure			3,084,464	2.00	6.75%	208,201
Substructure			1,799,271	3.00	18.00%	323,869
Foundations			1,799,271	3.00	18.00%	323,869
Music Building						
Gross SF:	47,618	CRV $/SF: 483	23,014,374	2.94	17.65%	4,062,846
Equipment and Furnishings			248,804	2.50	10.13%	25,191
Equipment and Furnishings			248,804	2.50	10.13%	25,191
Interiors			4,976,081	2.38	9.62%	478,637
Interior Construction			2,239,236	2.33	9.63%	215,527
Interior Finishes			2,239,236	2.33	9.88%	221,125

	CRV	FCA Score	CI	Backlog
Staircases	497,608	2.50	8.44%	41,986
Services	10,076,564	3.56	25.79%	2,598,385
Electrical	3,483,257	3.00	18.00%	626,986
Fire Protection	447,847	4.33	37.44%	167,694
HVAC	4,005,745	3.80	32.77%	1,312,752
Plumbing	1,890,911	3.25	23.60%	446,168
Vertical Transportation	248,804	3.00	18.00%	44,785
Shell	5,971,297	2.38	10.97%	654,977
Exterior Closure	2,239,236	3.00	18.00%	403,063
Roofing	746,412	2.00	6.75%	50,383
Superstructure	2,985,648	2.00	6.75%	201,531
Substructure	1,741,628	3.00	17.55%	305,656
Foundations	1,741,628	3.00	17.55%	305,656
One Room School House				
Gross SF: 1,136 CRV $/SF: 405	460,484	1.79	7.45%	34,287
Equipment and Furnishings	1,603	1.00	2.25%	36
Equipment and Furnishings	1,603	1.00	2.25%	36
Interiors	88,144	1.40	4.64%	4,087
Interior Construction	40,065	1.00	2.25%	901
Interior Finishes	48,078	1.67	6.63%	3,185
Services	205,134	2.15	6.67%	13,673
Electrical	74,789	1.67	5.66%	4,231
Fire Protection	1,068	5.00	67.00%	716
HVAC	91,349	2.00	6.75%	6,166
Plumbing	37,928	2.00	6.75%	2,560
Shell	128,209	1.63	11.68%	14,976
Exterior Closure	48,078	1.67	12.40%	5,962
Roofing	16,026	1.00	2.25%	361
Superstructure	64,104	2.50	13.50%	8,654
Substructure	37,394	1.50	4.05%	1,514
Foundations	37,394	1.50	4.05%	1,514
P.E. Activities Building				
Gross SF: 93,859 CRV $/SF: 462	43,394,887	2.71	15.46%	6,709,355
Equipment and Furnishings	140,437	3.00	18.00%	25,279
Equipment and Furnishings	140,437	3.00	18.00%	25,279
Interiors	9,362,435	2.38	10.29%	963,746
Interior Construction	4,213,096	2.67	11.50%	484,506
Interior Finishes	4,213,096	2.33	9.88%	416,043
Staircases	936,244	2.00	6.75%	63,196
Services	19,380,241	3.13	22.02%	4,266,813
Electrical	6,553,705	3.33	21.83%	1,430,346
Fire Protection	842,619	3.00	18.00%	151,671
HVAC	8,426,192	2.83	20.41%	1,719,996
Plumbing	3,557,725	3.50	27.12%	964,799
Shell	11,234,922	2.38	10.97%	1,232,331
Exterior Closure	4,213,096	3.00	18.00%	758,357
Roofing	1,404,365	2.00	6.75%	94,795
Superstructure	5,617,461	2.00	6.75%	379,179
Substructure	3,276,852	2.00	6.75%	221,188
Foundations	3,276,852	2.00	6.75%	221,188
Patterson Hall				
Gross SF: 135,000 CRV $/SF: 538	72,583,087	1.00	2.25%	1,633,120
Equipment and Furnishings	740,644	1.00	2.25%	16,664
Equipment and Furnishings	740,644	1.00	2.25%	16,664
Interiors	14,812,875	1.00	2.25%	333,290
Interior Construction	6,665,794	1.00	2.25%	

			CRV	FCA Score	CI	Backlog
Interior Finishes			6,665,794	1.00	2.25%	149,980
Staircases			1,481,288	1.00	2.25%	33,329
Services			34,069,612	1.00	2.25%	766,566
Electrical			11,109,656	1.00	2.25%	249,967
Fire Protection			1,481,288	1.00	2.25%	33,329
HVAC			14,072,231	1.00	2.25%	316,625
Plumbing			6,665,794	1.00	2.25%	149,980
Vertical Transportation			740,644	1.00	2.25%	16,664
Shell			17,775,450	1.00	2.25%	399,948
Exterior Closure			6,665,794	1.00	2.25%	149,980
Roofing			2,221,931	1.00	2.25%	49,993
Superstructure			8,887,725	1.00	2.25%	199,974
Substructure			5,184,506	1.00	2.25%	116,651
Foundations			5,184,506	1.00	2.25%	116,651
Pavilion						
Gross SF:	119,658	CRV $/SF: 366	43,799,325	2.79	15.49%	6,784,888
Equipment and Furnishings			330,027	3.00	18.00%	59,405
Equipment and Furnishings			330,027	3.00	18.00%	59,405
Interiors			9,429,349	2.63	13.95%	1,315,394
Interior Construction			4,243,207	2.67	11.50%	487,969
Interior Finishes			4,243,207	3.00	18.00%	763,777
Staircases			942,935	2.00	6.75%	63,648
Services			19,424,458	3.13	20.32%	3,946,183
Electrical			6,600,544	2.33	14.18%	935,627
Fire Protection			754,348	2.50	16.59%	125,175
HVAC			8,486,414	3.33	20.19%	1,713,195
Plumbing			3,583,153	3.75	32.71%	1,172,186
Shell			11,315,218	2.50	10.97%	1,241,138
Exterior Closure			4,243,207	2.67	14.75%	625,873
Roofing			1,414,402	2.67	16.50%	233,376
Superstructure			5,657,609	2.00	6.75%	381,889
Substructure			3,300,272	2.00	6.75%	222,768
Foundations			3,300,272	2.00	6.75%	222,768
PE Classroom Building						
Gross SF:	31,848	CRV $/SF: 501	15,952,492	2.12	8.81%	1,404,667
Equipment and Furnishings			174,726	2.00	6.98%	12,187
Equipment and Furnishings			174,726	2.00	6.98%	12,187
Interiors			3,494,522	2.38	10.07%	351,855
Interior Construction			1,572,535	3.00	14.13%	222,121
Interior Finishes			1,572,535	2.00	6.75%	106,146
Staircases			349,452	2.00	6.75%	23,588
Services			6,866,735	2.00	9.03%	619,972
Electrical			2,446,165	2.33	11.60%	283,843
Fire Protection			279,562	1.00	2.25%	6,290
HVAC			2,813,090	1.40	3.23%	90,814
Plumbing			1,327,918	3.00	18.00%	239,025
Shell			4,193,426	2.13	8.06%	338,095
Exterior Closure			1,572,535	2.67	10.75%	169,047
Roofing			524,178	1.67	5.25%	27,519
Superstructure			2,096,713	2.00	6.75%	141,528
Substructure			1,223,083	2.00	6.75%	82,558
Foundations			1,223,083	2.00	6.75%	82,558
Plant Utilities						
Gross SF:	7,724	CRV $/SF: 304	2,349,930	4.03	41.88%	984,159
Equipment and Furnishings			7,705	4.00	33.75%	2,600
Equipment and Furnishings			7,705	4.00	33.75%	

				CRV	FCA Score	CI	Backlog
Interiors				475,123	4.57	50.11%	238,062
Interior Construction				192,617	4.50	43.95%	84,649
Interior Finishes				231,141	4.67	57.76%	133,516
Staircases				51,365	4.50	38.74%	19,897
Services				1,070,952	4.33	46.60%	499,065
Electrical				385,234	3.75	28.19%	108,578
Fire Protection				51,365	5.00	67.00%	34,414
HVAC				439,167	5.00	67.00%	294,242
Plumbing				195,185	3.25	31.68%	61,830
Shell				616,375	2.88	29.81%	183,757
Exterior Closure				231,141	4.00	33.75%	78,010
Roofing				77,047	1.00	2.25%	1,734
Superstructure				308,188	4.00	33.75%	104,013
Substructure				179,776	4.00	33.75%	60,674
Foundations				179,776	4.00	33.75%	60,674
Practice Field Toilets							
Gross SF:	773	CRV $/SF:	363	280,360	1.07	2.84%	7,963
Interiors				62,456	1.00	2.25%	1,405
Interior Construction				31,228	1.00	2.25%	703
Interior Finishes				31,228	1.00	2.25%	703
Services				110,340	1.18	3.75%	4,138
Electrical				36,780	2.00	6.75%	2,483
HVAC				48,924	1.00	2.25%	1,101
Plumbing				24,636	1.00	2.25%	554
Shell				83,275	1.00	2.25%	1,874
Exterior Closure				31,228	1.00	2.25%	703
Roofing				10,409	1.00	2.25%	234
Superstructure				41,638	1.00	2.25%	937
Substructure				24,289	1.00	2.25%	546
Foundations				24,289	1.00	2.25%	546
President's Garage							
Gross SF:	681	CRV $/SF:	169	115,155	2.60	15.49%	17,833
Interiors				29,527	2.75	13.82%	4,081
Interior Construction				15,818	2.50	10.20%	1,613
Interior Finishes				13,709	3.00	18.00%	2,468
Services				22,356	3.00	18.00%	4,024
Electrical				22,356	3.00	18.00%	4,024
Shell				48,508	2.43	16.63%	8,067
Exterior Closure				18,982	3.00	18.00%	3,417
Roofing				4,218	1.00	2.25%	95
Superstructure				25,309	3.00	18.00%	4,556
Substructure				14,763	2.50	11.25%	1,661
Foundations				14,763	2.50	11.25%	1,661
President's House							
Gross SF:	4,545	CRV $/SF:	275	1,249,937	2.43	14.34%	179,256
Interiors				260,404	2.00	6.75%	17,577
Interior Construction				105,569	2.00	6.75%	7,126
Interior Finishes				126,683	2.00	6.75%	8,551
Staircases				28,152	2.00	6.75%	1,900
Services				567,257	2.57	15.52%	88,013
Electrical				197,062	3.00	21.23%	41,837
Fire Protection				2,815	4.00	33.75%	950
HVAC				267,441	2.14	11.78%	31,512
Plumbing				99,939	2.67	13.72%	13,713
Shell				323,745	2.29	15.36%	49,723
Exterior Closure				126,683	2.67	14.75%	

			CRV	FCA Score	CI	Backlog
Roofing			28,152	1.00	2.25%	633
Superstructure			168,910	3.00	18.00%	30,404
Substructure			98,531	3.50	24.30%	23,943
Foundations			98,531	3.50	24.30%	23,943
Radio-TV Building						
Gross SF:	15,983	CRV $/SF: 456	7,286,768	2.73	13.91%	1,013,286
Equipment and Furnishings			26,306	3.00	18.00%	4,735
Equipment and Furnishings			26,306	3.00	18.00%	4,735
Interiors			1,753,735	2.50	10.46%	183,484
Interior Construction			789,181	2.67	11.50%	90,756
Interior Finishes			789,181	2.33	9.88%	77,932
Staircases			175,373	2.50	8.44%	14,797
Services			2,788,438	3.00	17.45%	486,508
Electrical			1,227,614	2.67	13.74%	168,687
Fire Protection			140,299	3.50	59.47%	83,434
HVAC			666,419	3.25	19.24%	128,242
Plumbing			666,419	2.50	11.49%	76,551
Vertical Transportation			87,687	4.00	33.75%	29,594
Shell			2,104,482	2.38	10.97%	230,835
Exterior Closure			789,181	3.00	18.00%	142,053
Roofing			263,060	2.00	6.75%	17,757
Superstructure			1,052,241	2.00	6.75%	71,026
Substructure			613,807	3.00	17.55%	107,723
Foundations			613,807	3.00	17.55%	107,723
Red Barn						
Gross SF:	14,589	CRV $/SF: 256	3,741,455	2.43	13.07%	489,074
Equipment and Furnishings			13,097	1.00	2.25%	295
Equipment and Furnishings			13,097	1.00	2.25%	295
Interiors			785,836	2.33	10.81%	84,969
Interior Construction			392,918	2.00	6.75%	26,522
Interior Finishes			392,918	2.67	14.88%	58,447
Services			1,589,136	2.54	12.00%	190,653
Electrical			462,770	2.00	6.75%	31,237
Fire Protection			69,852	3.50	59.47%	41,540
HVAC			746,545	2.00	6.75%	50,392
Plumbing			309,969	3.33	21.77%	67,484
Shell			1,047,782	2.38	15.09%	158,150
Exterior Closure			392,918	2.33	14.00%	55,009
Roofing			130,973	2.00	6.75%	8,841
Superstructure			523,891	3.00	18.00%	94,300
Substructure			305,603	3.00	18.00%	55,009
Foundations			305,603	3.00	18.00%	55,009
Rozell Plant						
Gross SF:	56,561	CRV $/SF: 313	17,678,140	2.33	10.94%	1,934,628
Equipment and Furnishings			56,420	2.00	6.75%	3,808
Equipment and Furnishings			56,420	2.00	6.75%	3,808
Interiors			3,761,307	2.38	10.18%	382,948
Interior Construction			1,692,588	2.67	11.25%	190,416
Interior Finishes			1,692,588	2.33	9.88%	167,143
Staircases			376,131	2.00	6.75%	25,389
Services			7,654,259	2.60	14.75%	1,128,956
Electrical			2,632,915	2.33	14.18%	373,216
Fire Protection			300,905	2.00	6.75%	20,311
HVAC			3,027,852	3.00	18.00%	545,013
Plumbing			1,692,588	2.60	11.25%	190,416
Shell			4,513,568	2.00	6.75%	304,666

	CRV	FCA Score	CI	Backlog
Exterior Closure	1,692,588	2.00	6.75%	114,250
Roofing	564,196	2.00	6.75%	38,083
Superstructure	2,256,784	2.00	6.75%	152,333
Special Construction	376,131	2.00	6.75%	25,389
Special Construction	376,131	2.00	6.75%	25,389
Substructure	1,316,457	2.00	6.75%	88,861
Foundations	1,316,457	2.00	6.75%	88,861
Science Building				
Gross SF: 148,149 CRV $/SF: 512	75,859,695	3.27	20.61%	15,637,935
Equipment and Furnishings	774,079	3.00	18.00%	139,334
Equipment and Furnishings	774,079	3.00	18.00%	139,334
Interiors	15,481,571	2.88	18.61%	2,880,733
Interior Construction	6,966,707	3.00	18.00%	1,254,007
Interior Finishes	6,966,707	3.33	21.85%	1,522,225
Staircases	1,548,157	2.00	6.75%	104,501
Services	35,607,612	3.52	24.73%	8,807,079
Electrical	11,611,178	3.25	19.05%	2,211,929
Fire Protection	1,548,157	3.25	19.58%	303,052
HVAC	14,707,492	3.86	29.91%	4,398,895
Plumbing	6,966,707	3.40	23.43%	1,631,951
Vertical Transportation	774,078	4.00	33.75%	261,251
Shell	18,577,884	3.38	18.54%	3,445,036
Exterior Closure	6,966,707	3.67	29.20%	2,034,278
Roofing	2,322,236	4.00	33.75%	783,755
Superstructure	9,288,942	2.00	6.75%	627,004
Substructure	5,418,550	2.00	6.75%	365,752
Foundations	5,418,550	2.00	6.75%	365,752
Senior Hall				
Gross SF: 52,619 CRV $/SF: 482	25,376,433	2.00	7.96%	2,019,736
Equipment and Furnishings	274,934	1.50	5.40%	14,846
Equipment and Furnishings	274,934	1.50	5.40%	14,846
Interiors	5,498,686	2.00	6.75%	371,161
Interior Construction	2,474,408	2.00	6.75%	167,023
Interior Finishes	2,474,408	2.00	6.75%	167,023
Staircases	549,869	2.00	6.75%	37,116
Services	11,079,851	1.93	6.37%	705,825
Electrical	3,849,080	1.67	5.66%	217,748
Fire Protection	439,895	2.00	6.75%	29,693
HVAC	4,426,442	2.00	6.75%	298,785
Plumbing	2,089,501	2.00	6.75%	141,041
Vertical Transportation	274,934	2.00	6.75%	18,558
Shell	6,598,422	2.13	10.13%	668,090
Exterior Closure	2,474,408	2.00	6.75%	167,023
Roofing	824,803	2.00	6.75%	55,674
Superstructure	3,299,211	2.50	13.50%	445,394
Substructure	1,924,540	2.50	13.50%	259,813
Foundations	1,924,540	2.50	13.50%	259,813
Showalter Hall				
Gross SF: 86,483 CRV $/SF: 364	31,499,703	3.14	20.92%	6,590,629
Equipment and Furnishings	369,715	2.50	10.13%	37,434
Equipment and Furnishings	369,715	2.50	10.13%	37,434
Interiors	7,394,297	3.38	21.15%	1,563,894
Interior Construction	3,327,433	3.33	20.63%	686,283
Interior Finishes	3,327,433	3.33	21.85%	727,044
Staircases	739,430	3.50	20.36%	150,566
Services	12,274,532	3.59	28.33%	3,476,983

				CRV	FCA Score	CI	Backlog
Electrical				5,545,722	3.00	22.41%	1,242,796
Fire Protection				739,430	3.00	12.15%	89,841
HVAC				2,809,833	4.00	33.75%	948,319
Plumbing				2,809,833	4.00	33.75%	948,319
Vertical Transportation				369,715	5.00	67.00%	247,709
Shell				8,873,156	2.63	16.39%	1,454,088
Exterior Closure				3,327,433	2.00	13.70%	455,858
Roofing				1,109,144	3.00	18.00%	199,646
Superstructure				4,436,578	3.00	18.00%	798,584
Substructure				2,588,004	1.00	2.25%	58,230
Foundations				2,588,004	1.00	2.25%	58,230
Solid Waste Transfer Station							
Gross SF:	1,085	CRV $/SF:	210	227,930	2.00	6.75%	15,385
Interiors				28,572	2.00	6.75%	1,929
Interior Construction				7,468	2.00	6.75%	504
Interior Finishes				21,105	2.00	6.75%	1,425
Services				100,003	2.00	6.75%	6,750
Electrical				34,417	2.00	6.75%	2,323
HVAC				42,534	2.00	6.75%	2,871
Plumbing				23,053	2.00	6.75%	1,556
Shell				76,626	2.00	6.75%	5,172
Exterior Closure				29,222	2.00	6.75%	1,972
Roofing				8,442	2.00	6.75%	570
Superstructure				38,962	2.00	6.75%	2,630
Substructure				22,728	2.00	6.75%	1,534
Foundations				22,728	2.00	6.75%	1,534
Substation							
Gross SF:	2,916	CRV $/SF:	220	640,886	1.76	7.26%	46,510
Interiors				85,322	1.67	5.57%	4,756
Interior Construction				22,300	1.00	2.25%	502
Interior Finishes				63,022	2.00	6.75%	4,254
Services				254,997	2.75	13.72%	34,992
Electrical				135,740	2.00	6.75%	9,162
Fire Protection				1,939	2.00	6.75%	131
HVAC				117,318	3.50	21.90%	25,698
Shell				232,697	1.00	2.25%	5,236
Exterior Closure				87,261	1.00	2.25%	1,963
Roofing				29,087	1.00	2.25%	654
Superstructure				116,348	1.00	2.25%	2,618
Substructure				67,870	1.00	2.25%	1,527
Foundations				67,870	1.00	2.25%	1,527
Surbeck Services							
Gross SF:	41,792	CRV $/SF:	326	13,642,240	2.60	12.56%	1,713,013
Equipment and Furnishings				43,772	3.00	18.00%	7,879
Equipment and Furnishings				43,772	3.00	18.00%	7,879
Interiors				2,626,314	2.67	12.88%	338,138
Interior Construction				1,313,157	2.67	11.50%	151,013
Interior Finishes				1,313,157	2.67	14.25%	187,125
Services				6,157,246	2.69	12.59%	775,419
Electrical				2,042,688	2.33	14.18%	289,551
Fire Protection				233,450	3.00	10.13%	23,637
HVAC				2,772,220	2.57	9.47%	262,631
Plumbing				1,108,888	3.00	18.00%	199,600
Shell				3,501,751	2.13	12.11%	424,150
Exterior Closure				1,313,157	3.33	22.55%	296,117
Roofing				437,719	1.00	2.25%	9,849

			CRV	FCA Score	CI	Backlog
Superstructure			1,750,876	2.00	6.75%	118,184
Special Construction			291,813	4.00	33.75%	98,487
Special Construction			291,813	4.00	33.75%	98,487
Substructure			1,021,344	2.00	6.75%	68,941
Foundations			1,021,344	2.00	6.75%	68,941
Surplus Sales Building						
Gross SF: 10,880	CRV $/SF:	285	3,100,283	3.07	22.79%	706,680
Equipment and Furnishings			10,853	3.00	18.00%	1,954
Equipment and Furnishings			10,853	3.00	18.00%	1,954
Interiors			596,904	3.00	18.82%	112,326
Interior Construction			271,320	2.50	14.55%	39,477
Interior Finishes			325,584	3.33	22.38%	72,849
Services			1,407,246	3.21	25.38%	357,166
Electrical			506,464	3.33	27.19%	137,722
Fire Protection			7,235	2.00	6.75%	488
HVAC			618,610	3.50	27.39%	169,466
Plumbing			274,938	3.00	18.00%	49,489
Shell			832,048	2.86	22.79%	189,653
Exterior Closure			325,584	4.00	33.75%	109,885
Roofing			72,352	1.00	2.25%	1,628
Superstructure			434,112	3.00	18.00%	78,140
Substructure			253,232	3.00	18.00%	45,582
Foundations			253,232	3.00	18.00%	45,582
Sutton Hall						
Gross SF: 31,984	CRV $/SF:	396	12,661,346	2.54	19.00%	2,405,417
Equipment and Furnishings			41,019	2.00	6.75%	2,769
Equipment and Furnishings			41,019	2.00	6.75%	2,769
Interiors			2,734,632	2.50	20.55%	561,899
Interior Construction			1,230,584	2.33	8.63%	106,138
Interior Finishes			1,230,584	3.00	35.54%	437,302
Staircases			273,463	2.00	6.75%	18,459
Services			5,647,015	2.50	12.02%	678,872
Electrical			1,914,242	1.67	5.66%	108,291
Fire Protection			218,771	2.00	6.75%	14,767
HVAC			2,338,110	3.33	19.72%	461,059
Plumbing			1,039,160	2.00	6.75%	70,143
Vertical Transportation			136,732	3.00	18.00%	24,612
Shell			3,281,558	2.50	22.89%	751,272
Exterior Closure			1,230,584	2.33	14.00%	172,282
Roofing			410,195	1.67	6.15%	25,227
Superstructure			1,640,779	4.00	33.75%	553,763
Substructure			957,121	3.50	42.90%	410,605
Foundations			957,121	3.50	42.90%	410,605
Turnbull Research Lab						
Gross SF: 4,435	CRV $/SF:	540	2,395,327	2.71	15.25%	365,180
Equipment and Furnishings			8,627	3.00	18.00%	1,553
Equipment and Furnishings			8,627	3.00	18.00%	1,553
Interiors			517,598	2.00	6.75%	34,938
Interior Construction			258,799	2.00	6.75%	17,469
Interior Finishes			258,799	2.00	6.75%	17,469
Services			948,929	3.46	26.20%	248,605
Electrical			402,576	3.67	29.90%	120,370
HVAC			301,932	3.33	21.75%	65,670
Plumbing			244,421	3.50	25.60%	62,565
Shell			661,375	1.71	6.36%	42,055
Exterior Closure			258,799	2.00	6.75%	

	CRV	FCA Score	CI	Backlog
Roofing	57,511	1.00	2.25%	1,294
Superstructure	345,065	2.00	6.75%	23,292
Special Construction	57,511	4.00	42.50%	24,442
Special Construction	57,511	4.00	42.50%	24,442
Substructure	201,288	2.00	6.75%	13,587
Foundations	201,288	2.00	6.75%	13,587
University Theater				
Gross SF: 36,130 CRV $/SF: 439	**15,855,655**	**2.85**	**15.28%**	**2,422,765**
Equipment and Furnishings	189,208	3.00	18.00%	34,057
Equipment and Furnishings	189,208	3.00	18.00%	34,057
Interiors	3,784,166	2.38	9.06%	342,704
Interior Construction	1,702,875	2.67	11.50%	195,831
Interior Finishes	1,702,875	2.00	6.75%	114,944
Staircases	378,417	2.50	8.44%	31,929
Services	6,016,824	3.36	21.86%	1,315,471
Electrical	2,648,916	3.00	18.00%	476,805
Fire Protection	302,733	3.50	19.97%	60,452
HVAC	1,437,983	3.75	31.68%	455,519
Plumbing	1,437,983	3.00	18.00%	258,837
Vertical Transportation	189,208	4.00	33.75%	63,858
Shell	4,540,999	2.38	10.97%	498,091
Exterior Closure	1,702,875	3.00	18.00%	306,517
Roofing	567,625	2.00	6.75%	38,315
Superstructure	2,270,499	2.00	6.75%	153,259
Substructure	1,324,458	3.00	17.55%	232,442
Foundations	1,324,458	3.00	17.55%	232,442
Visitor Center				
Gross SF: 2,844 CRV $/SF: 301	**855,795**	**1.09**	**2.41%**	**20,660**
Equipment and Furnishings	9,456	1.50	5.40%	511
Equipment and Furnishings	9,456	1.50	5.40%	511
Interiors	189,126	1.00	2.25%	4,255
Interior Construction	85,107	1.00	2.25%	1,915
Interior Finishes	85,107	1.00	2.25%	1,915
Staircases	18,913	1.00	2.25%	426
Services	367,850	1.00	2.25%	8,277
Electrical	132,388	1.00	2.25%	2,979
Fire Protection	1,891	1.00	2.25%	43
HVAC	161,703	1.00	2.25%	3,638
Plumbing	71,868	1.00	2.25%	1,617
Shell	223,169	1.29	2.75%	6,128
Exterior Closure	85,107	1.00	2.25%	1,915
Roofing	24,586	2.00	6.75%	1,660
Superstructure	113,476	1.00	2.25%	2,553
Substructure	66,194	1.00	2.25%	1,489
Foundations	66,194	1.00	2.25%	1,489
Williamson Hall				
Gross SF: 31,599 CRV $/SF: 484	**15,305,213**	**3.46**	**22.45%**	**3,436,161**
Equipment and Furnishings	165,105	3.00	18.00%	29,719
Equipment and Furnishings	165,105	3.00	18.00%	29,719
Interiors	3,302,096	2.88	15.47%	510,793
Interior Construction	1,485,943	3.00	17.75%	263,755
Interior Finishes	1,485,943	2.67	12.63%	187,600
Staircases	330,210	3.00	18.00%	59,438
Services	6,719,764	3.76	25.40%	1,706,812
Electrical	2,311,467	3.33	23.96%	553,885
Fire Protection	330,210	5.00	67.00%	221,240

				CRV	FCA Score	CI	Backlog
HVAC				2,658,187	3.60	24.46%	650,100
Plumbing				1,254,796	3.00	18.00%	225,863
Vertical Transportation				165,105	4.00	33.75%	55,723
Shell				3,962,515	3.75	26.72%	1,058,817
Exterior Closure				1,485,943	3.00	18.00%	267,470
Roofing				495,314	4.67	62.57%	309,902
Superstructure				1,981,257	3.50	24.30%	481,446
Substructure				1,155,733	2.50	11.25%	130,020
Foundations				1,155,733	2.50	11.25%	130,020
Woodward Field Concessions							
Gross SF:	2,342	CRV $/SF:	277	647,777	2.71	17.36%	112,439
Interiors				131,792	2.80	15.95%	21,027
Interior Construction				59,905	3.00	18.00%	10,783
Interior Finishes				71,887	2.67	14.25%	10,244
Services				297,131	2.91	19.35%	57,481
Electrical				111,823	3.67	29.90%	33,435
HVAC				128,597	1.80	3.82%	4,906
Plumbing				56,710	4.00	33.75%	19,140
Shell				162,943	2.33	16.96%	27,640
Exterior Closure				51,119	3.50	32.27%	16,498
Roofing				15,975	1.00	2.25%	359
Superstructure				95,849	2.50	11.25%	10,783
Substructure				55,912	2.50	11.25%	6,290
Foundations				55,912	2.50	11.25%	6,290
Woodward Field Press Box							
Gross SF:	8,772	CRV $/SF:	294	2,581,829	1.85	6.79%	175,418
Equipment and Furnishings				8,975	1.00	2.25%	202
Equipment and Furnishings				8,975	1.00	2.25%	202
Interiors				598,338	1.63	4.50%	26,925
Interior Construction				269,252	1.33	3.00%	8,078
Interior Finishes				269,252	1.67	5.50%	14,809
Staircases				59,834	2.00	6.75%	4,039
Services				1,047,092	2.21	9.75%	102,114
Electrical				260,277	1.50	4.99%	12,991
Fire Protection				47,867	2.50	8.16%	3,904
HVAC				511,579	2.50	13.66%	69,871
Plumbing				227,368	2.00	6.75%	15,347
Shell				718,006	1.63	5.25%	37,695
Exterior Closure				269,252	1.33	5.15%	13,866
Roofing				89,751	2.00	6.75%	6,058
Superstructure				359,003	1.50	4.95%	17,771
Substructure				209,418	1.50	4.05%	8,481
Foundations				209,418	1.50	4.05%	8,481
Woodward Field Toilets							
Gross SF:	3,540	CRV $/SF:	293	1,036,965	1.92	6.03%	62,579
Interiors				209,168	1.80	6.07%	12,693
Interior Construction				95,076	2.00	6.75%	6,418
Interior Finishes				114,091	1.67	5.50%	6,275
Services				434,815	1.91	5.37%	23,360
Electrical				134,374	2.00	6.75%	9,070
HVAC				204,097	1.80	3.82%	7,787
Plumbing				96,344	2.00	6.75%	6,503
Shell				304,244	2.00	6.75%	20,536
Exterior Closure				114,091	2.00	6.75%	7,701
Roofing				38,030	2.00	6.75%	2,567
Superstructure				152,122	2.00	6.75%	10,268

Deferred Maintenance Backlog Reduction Plan 2021-2031
Preservation Project List Detail

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
5	1	Plant Utilities	Services	Fire Protection	Stand-Pipe and Hose Systems	$5,136.46	$5,136.46	2021	1106
5	1	Martin Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$422,748.49	427,884.9479	2021	1130
5	1	Radio-TV Building	Services	Fire Protection	Fire Protection Sprinkler Systems	$122,761.43	550,646.3774	2021	1148
5	1	Fifth Street Hall	Services	Fire Protection	Fire Protection Specialties	$4,885.88	555,532.2599	2021	1197
5	1	Williamson Hall	Services	Fire Protection	Stand-Pipe and Hose Systems	$33,020.96	588,553.2161	2021	1133
5	1	One Room School House	Services	Fire Protection	Fire Protection Specialties	$1,068.41	589,621.6241	2021	1127
5	1	Dressler Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$353,727.13	943,348.7558	2021	1171
5	1	Indian Education Center	Services	Fire Protection	Fire Protection Sprinkler Systems	$25,873.16	969,221.9113	2021	1193
5	1	Plant Utilities	Services	Fire Protection	Fire Protection Specialties	$5,136.46	974,358.3715	2021	1106
5	1	Pearce Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$427,838.74	1,402,197.1145	2021	1170
5	1	Plant Utilities	Services	Fire Protection	Special Fire Protection Systems	$5,136.46	1,407,333.5747	2021	1106
5	1	Isle Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$263,618.71	1,670,952.2810	2021	1178
5	1	Red Barn	Services	Fire Protection	Fire Protection Sprinkler Systems	$61,120.62	1,732,072.8976	2021	1205
5	1	Williamson Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$231,146.69	1,963,219.5868	2021	1133
5	1	Cadet Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$78,243.80	2,041,463.3885	2021	1157
5	1	Music Building	Services	Fire Protection	Fire Protection Specialties	$49,760.81	2,091,224.2002	2021	1139
5	1	Williamson Hall	Services	Fire Protection	Fire Protection Specialties	$33,020.96	2,124,245.1564	2021	1133
5	1	Cheney Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$226,896.67	2,351,141.8306	2021	1163
5	1	Art Building	Services	Fire Protection	Fire Protection Sprinkler Systems	$272,612.86	2,623,754.6953	2022	1145
5	1	Plant Utilities	Services	Fire Protection	Fire Protection Sprinkler Systems	$35,955.22	2,659,709.9160	2022	1106
5	1	Tawanka Commons	Services	Fire Protection	Stand-Pipe and Hose Systems	$58,105.02	2,717,814.9371	2022	1121
5	1	Williamson Hall	Services	Fire Protection	Special Fire Protection Systems	$33,020.96	2,750,835.8933	2022	1133
5	1	Tawanka Commons	Services	Fire Protection	Fire Protection Sprinkler Systems	$406,735.14	3,157,571.0344	2022	1121
5	2	Showalter Hall	Services	Vertical Transportation	Elevators and Lifts	$369,714.81	3,527,285.8465	2022	1103
5	2	Fifth Street Hall	Services	Vertical Transportation	Elevators and Lifts	$24,429.41	3,551,715.2571	2022	1197
5	3	Fifth Street Hall	Services	Electrical	Electrical Service and Distribution	$129,475.88	3,681,191.1349	2022	1197
5	3	Streeter Hall	Services	Electrical	Communication and Security Systems	$898,743.71	4,579,934.8419	2022	1465
5	3	Woodward Field Concessions	Services	Electrical	Communication and Security Systems	$27,157.13	4,607,091.9724	2022	1370
5	3	Anna Maria Apartments	Services	Electrical	Electrical Service and Distribution	$2,496.58	4,609,588.5569	2022	1215
5	3	Morrison Hall	Services	Electrical	Communication and Security Systems	$1,186,461.54	5,796,050.1004	2023	1463
5	3	Fifth Street Hall	Services	Electrical	Lighting and Branch Wiring	$129,475.88	5,925,525.9782	2023	1197
5	3	Martin Hall	Services	Electrical	Special Electrical Systems	$301,963.19	6,227,489.1677	2023	1130
5	3	Turnbull Research Lab	Services	Electrical	Communication and Security Systems	$97,768.46	6,325,257.6293	2023	1710
5	3	Dryden Hall	Services	Electrical	Communication and Security Systems	$612,673.26	6,937,930.8871	2023	1480
5	4	Science Building	Services	HVAC	Controls and Instrumentation	$464,447.11	7,402,378.0003	2023	1166
5	4	Cadet Hall	Services	HVAC	Controls and Instrumentation	$33,533.06	7,435,911.0574	2023	1157
5	4	Pearce Hall	Services	HVAC	Distribution Systems	$1,497,435.52	8,933,346.5726	2024	1170
5	4	Pearce Hall	Services	HVAC	Terminal and Package Units	$336,159.00	9,269,505.5728	2024	1170
5	4	Governor Martin House	Services	HVAC	Cooling Generating Systems	$15,857.26	9,285,362.8297	2024	1196
5	4	Dressler Hall	Services	HVAC	Terminal and Package Units	$277,928.45	9,563,291.2802	2024	1171
5	4	Sutton Hall	Services	HVAC	Controls and Instrumentation	$82,038.96	9,645,330.2399	2024	1112
5	4	Dressler Hall	Services	HVAC	Special HVAC Systems and Equipment	$480,058.22	10,125,388.4598	2024	1171
5	4	Fifth Street Hall	Services	HVAC	Special HVAC Systems and Equipment	$46,415.88	10,171,804.3396	2025	1197
5	4	Dressler Hall	Services	HVAC	Distribution Systems	$1,238,044.89	11,409,849.2299	2025	1171
5	4	Plant Utilities	Services	HVAC	Terminal and Package Units	$28,250.53	11,438,099.7594	2025	1106
5	4	Plant Utilities	Services	HVAC	Heat Generating Systems	$218,299.55	11,656,399.3090	2025	1106
5	4	Dressler Hall	Services	HVAC	Controls and Instrumentation	$151,597.34	11,807,996.6478	2025	1171
5	4	Plant Utilities	Services	HVAC	Energy Supply	$25,682.30	11,833,678.9469	2025	1106
5	4	Plant Utilities	Services	HVAC	Distribution Systems	$125,843.27	11,959,522.2120	2025	1106
5	4	Plant Utilities	Services	HVAC	Cooling Generating Systems	$25,682.30	11,985,204.5111	2025	1106
5	4	Fifth Street Hall	Services	HVAC	Terminal and Package Units	$26,872.35	12,012,076.8633	2025	1197
5	4	Dryden Hall	Services	HVAC	Special HVAC Systems and Equipment	$342,376.20	12,354,453.0660	2025	1480
5	4	Fifth Street Hall	Services	HVAC	Heat Generating Systems	$207,650.00	12,562,103.0633	2025	1197
5	4	Fifth Street Hall	Services	HVAC	Distribution Systems	$119,704.11	12,681,807.1750	2026	1197
5	4	Fifth Street Hall	Services	HVAC	Controls and Instrumentation	$14,657.65	12,696,464.8218	2026	1197
5	4	Plant Utilities	Services	HVAC	Controls and Instrumentation	$15,409.38	12,711,874.2017	2026	1106
5	4	Streeter Hall	Services	HVAC	Controls and Instrumentation	$158,601.82	12,870,476.0251	2026	1465
5	4	Pearce Hall	Services	HVAC	Controls and Instrumentation	$183,359.46	13,053,835.4823	2026	1170
5	4	Fifth Street Hall	Services	HVAC	Energy Supply	$24,429.41	13,078,264.8929	2026	1197
5	4	Fifth Street Hall	Services	HVAC	Cooling Generating Systems	$24,429.41	13,102,694.3035	2026	1197
5	5	Pearce Hall	Services	Plumbing	Domestic Water Distribution	$825,117.57	13,927,811.8752	2026	1170
5	5	Pearce Hall	Services	Plumbing	Rain Water Drainage	$152,799.54	14,080,611.4181	2026	1170
5	5	Morrison Hall	Services	Plumbing	Domestic Water Distribution	$942,190.02	15,022,801.4406	2026	1463
5	5	Dryden Hall	Services	Plumbing	Domestic Water Distribution	$486,534.63	15,509,336.0727	2027	1480
5	5	Morrison Hall	Services	Plumbing	Rain Water Drainage	$174,479.63	15,683,815.6981	2027	1463
5	5	Art Building	Services	Plumbing	Plumbing Fixtures	$525,753.38	16,209,569.0775	2027	1145
5	5	Streeter Hall	Services	Plumbing	Sanitary Waste	$449,371.85	16,658,940.9310	2027	1465
5	5	Pearce Hall	Services	Plumbing	Sanitary Waste	$519,518.49	17,178,459.4169	2027	1170
5	5	Morrison Hall	Services	Plumbing	Sanitary Waste	$593,230.77	17,771,690.1886	2028	1463
5	5	Dryden Hall	Services	Plumbing	Rain Water Drainage	$90,099.00	17,861,789.1902	2028	1480
5	5	Streeter Hall	Services	Plumbing	Domestic Water Distribution	$713,708.22	18,575,497.4079	2028	1465
5	5	Fifth Street Hall	Services	Plumbing	Sanitary Waste	$41,530.00	18,617,027.4092	2028	1197
5	5	Dressler Hall	Services	Plumbing	Plumbing Fixtures	$682,188.04	19,299,215.4455	2028	1171
5	5	Morrison Hall	Services	Plumbing	Plumbing Fixtures	$942,190.02	20,241,405.4680	2028	1463
5	5	Fifth Street Hall	Services	Plumbing	Domestic Water Distribution	$65,959.41	20,307,364.8799	2029	1197
5	5	Streeter Hall	Services	Plumbing	Rain Water Drainage	$132,168.18	20,439,533.0620	2029	1465
5	5	Fifth Street Hall	Services	Plumbing	Rain Water Drainage	$12,214.71	20,451,747.7673	2029	1197
5	5	Streeter Hall	Services	Plumbing	Plumbing Fixtures	$713,708.22	21,165,455.9850	2029	1465
5	5	Pearce Hall	Services	Plumbing	Plumbing Fixtures	$825,117.57	21,990,573.5567	2029	1170
5	5	Dressler Hall	Services	Plumbing	Sanitary Waste	$429,525.81	22,420,099.3695	2029	1171
5	5	Fifth Street Hall	Services	Plumbing	Plumbing Fixtures	$65,959.41	22,486,058.7814	2029	1197
5	5	Dressler Hall	Services	Plumbing	Domestic Water Distribution	$682,188.04	23,168,246.8177	2030	1171
5	5	Dressler Hall	Services	Plumbing	Rain Water Drainage	$126,331.11	23,294,577.9294	2030	1171
5	6	Tawanka Commons	Shell	Roofing	Projections	$116,210.04	23,410,787.9717	2030	1121

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
5	6	Williamson Hall	Shell	Roofing	Roof Opening	$165,104.77	23,575,892.7409	2030	1133
5	6	Fifth Street Hall	Shell	Roofing	Roof Coverings	$39,087.06	23,614,979.8007	2030	1197
5	6	Williamson Hall	Shell	Roofing	Roof Coverings	$264,167.65	23,879,147.4499	2030	1133
5	7	Isle Hall	Shell	Exterior Closure	Exterior Windows	$489,577.59	24,368,725.0424	2030	1178
5	7	Morrison Hall	Shell	Exterior Closure	Exterior Walls	$2,023,963.64	26,392,688.6836	2031	1463
5	7	Childcare Facility	Shell	Exterior Closure	Exterior Doors	$29,655.67	26,422,344.3585	2031	1154
5	7	Fifth Street Hall	Shell	Exterior Closure	Exterior Doors	$14,657.65	26,437,002.0053	2031	1197
5	7	Streeter Hall	Shell	Exterior Closure	Exterior Walls	$1,533,150.90	27,970,152.9075	2031	1465
5	7	Fifth Street Hall	Shell	Exterior Closure	Exterior Walls	$141,690.58	28,111,843.4883		1197
5	9	Plant Utilities	Interiors	Staircases	Stair Finishes	$7,704.69	28,119,548.1783		1106
5	9	Louise Anderson Hall	Interiors	Staircases	Stair Finishes	$70,845.78	28,190,393.9552		1475
5	10	Pearce Hall	Interiors	Interior Construction	Specialties	$458,398.63	28,648,792.5840		1170
5	10	Plant Utilities	Interiors	Interior Construction	Interior Doors	$59,069.29	28,707,861.8734		1106
5	10	Dressler Hall	Interiors	Interior Construction	Specialties	$378,993.34	29,086,855.2086		1171
5	11	Isle Hall	Interiors	Interior Finishes	Floor Finishes	$809,686.03	29,896,541.2377		1178
5	11	Sutton Hall	Interiors	Interior Finishes	Floor Finishes	$587,945.89	30,484,487.1303		1112
5	11	Louise Anderson Hall	Interiors	Interior Finishes	Wall Finishes	$590,381.48	31,074,868.6078		1475
5	11	Plant Utilities	Interiors	Interior Finishes	Ceiling Finishes	$56,501.06	31,131,369.6668		1106
5	11	Plant Utilities	Interiors	Interior Finishes	Floor Finishes	$110,433.89	31,241,803.5592		1106
5	11	Streeter Hall	Interiors	Interior Finishes	Wall Finishes	$660,840.94	31,902,644.4942		1465
5	11	Dryden Hall	Interiors	Interior Finishes	Wall Finishes	$450,495.02	32,353,139.5189		1480
5	12	Greenhouse Boneyard	Special Construction	Special Construction	Special Controls and Instrumentation	$2,587.85	32,355,727.3729		1425
5	12	Anna Maria Apartments	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$329.74	32,356,057.1105		1215
5	12	Anna Maria Apartments	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$141.32	32,356,198.4266		1215
5	12	Fifth Street Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$17,100.59	32,373,299.0150		1197
5	12	Greenhouse Boneyard	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$2,587.85	32,375,886.8690		1425
5	12	Turnbull Research Lab	Special Construction	Special Construction	Special Controls and Instrumentation	$28,755.43	32,404,642.2967		1710
5	13	Fifth Street Hall	Substructure	Foundations	Standard Foundations	$102,603.53	32,507,245.8223		1197
5	13	Indian Education Center	Substructure	Foundations	Standard Foundations	$77,619.46	32,584,865.2853		1193
5	13	Sutton Hall	Substructure	Foundations	Standard Foundations	$574,272.71	33,159,137.9904		1112
4	1	Cadet Hall	Services	Fire Protection	Fire Protection Specialties	$11,177.69	33,170,315.6765		1157
4	1	Surbeck Services	Services	Fire Protection	Fire Protection Specialties	$29,181.26	33,199,496.9391		1450
4	1	Isle Hall	Services	Fire Protection	Fire Protection Specialties	$37,659.82	33,237,156.7549		1178
4	1	Martin Hall	Services	Fire Protection	Fire Protection Specialties	$60,392.64	33,297,549.3970		1130
4	1	Dressler Hall	Services	Fire Protection	Fire Protection Specialties	$50,532.45	33,348,081.8452		1171
4	1	President's House	Services	Fire Protection	Fire Protection Specialties	$2,815.17	33,350,897.0183		1184
4	1	Governor Martin House	Services	Fire Protection	Fire Protection Specialties	$3,171.45	33,354,068.4699		1196
4	1	Music Building	Services	Fire Protection	Stand-Pipe and Hose Systems	$49,760.81	33,403,829.2816		1139
4	1	Dryden Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$252,277.22	33,656,106.4995		1480
4	1	Music Building	Services	Fire Protection	Fire Protection Sprinkler Systems	$348,325.68	34,004,432.1759		1139
4	1	Anna Maria Apartments	Services	Fire Protection	Fire Protection Sprinkler Systems	$659.48	34,005,091.6511		1215
4	1	Science Building	Services	Fire Protection	Fire Protection Specialties	$154,815.71	34,159,907.3615		1166
4	1	Streeter Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$370,070.93	34,529,978.2910		1465
4	1	Kingston Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$379,636.44	34,909,614.7282		1190
4	1	Pearce Hall	Services	Fire Protection	Special Fire Protection Systems	$61,119.82	34,970,734.5496		1170
4	1	Showalter Hall	Services	Fire Protection	Stand-Pipe and Hose Systems	$73,942.97	35,044,677.5172		1103
4	1	Louise Anderson Hall	Services	Fire Protection	Special Fire Protection Systems	$47,230.52	35,091,908.0369		1475
4	1	Louise Anderson Hall	Services	Fire Protection	Fire Protection Specialties	$47,230.52	35,139,138.5566		1475
4	1	Showalter Hall	Services	Fire Protection	Special Fire Protection Systems	$73,942.97	35,213,081.5242		1103
4	1	Anna Maria Apartments	Services	Fire Protection	Fire Protection Specialties	$94.21	35,213,175.7349		1215
4	1	University Theater	Services	Fire Protection	Fire Protection Specialties	$37,841.66	35,251,017.3950		1151
4	1	Townhouse Apartments	Services	Fire Protection	Fire Protection Specialties	$40,487.76	35,291,505.1579		1210
4	1	Morrison Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$488,542.98	35,780,048.1349		1463
4	2	University Theater	Services	Vertical Transportation	Elevators and Lifts	$189,208.29	35,969,256.4220		1151
4	2	Science Building	Services	Vertical Transportation	Elevators and Lifts	$774,078.50	36,743,334.9200		1166
4	2	Isle Hall	Services	Vertical Transportation	Elevators and Lifts	$188,299.07	36,931,633.9859		1178
4	2	Radio-TV Building	Services	Vertical Transportation	Elevators and Lifts	$87,686.73	37,019,320.7166		1148
4	2	Communications Center	Services	Vertical Transportation	Elevators and Lifts	$105,824.27	37,125,144.9892		1142
4	2	Williamson Hall	Services	Vertical Transportation	Elevators and Lifts	$165,104.77	37,290,249.7584		1133
4	3	Williamson Hall	Services	Electrical	Electrical Service and Distribution	$875,055.29	38,165,305.0446		1133
4	3	Pearce Hall	Services	Electrical	Electrical Service and Distribution	$1,619,675.17	39,784,980.2169		1170
4	3	Pearce Hall	Services	Electrical	Lighting and Branch Wiring	$1,619,675.17	41,404,655.3892		1170
4	3	Art Building	Services	Electrical	Electrical Service and Distribution	$1,032,034.37	42,436,689.7617		1145
4	3	Indian Education Center	Services	Electrical	Communication and Security Systems	$62,834.81	42,499,524.5693		1193
4	3	Governor Martin House	Services	Electrical	Communication and Security Systems	$53,914.68	42,553,439.2471		1196
4	3	Science Building	Services	Electrical	Special Electrical Systems	$774,078.50	43,327,517.7451		1166
4	3	Cadet Hall	Services	Electrical	Electrical Service and Distribution	$296,208.67	43,623,726.4103		1157
4	3	Anna Maria Apartments	Services	Electrical	Lighting and Branch Wiring	$2,496.58	43,626,222.9948		1215
4	3	Surplus Sales Building	Services	Electrical	Electrical Service and Distribution	$191,732.80	43,817,955.7901		1610
4	3	Cadet Hall	Services	Electrical	Lighting and Branch Wiring	$296,208.67	44,114,164.4553		1157
4	3	Dryden Hall	Services	Electrical	Electrical Service and Distribution	$955,049.43	45,069,213.8822		1480
4	3	Showalter Hall	Services	Electrical	Lighting and Branch Wiring	$1,959,488.52	47,028,702.4070		1103
4	3	Dryden Hall	Services	Electrical	Lighting and Branch Wiring	$955,049.43	47,983,751.8339		1480
4	3	Louise Anderson Hall	Services	Electrical	Electrical Service and Distribution	$1,251,608.70	49,235,360.5327		1475
4	3	Surplus Sales Building	Services	Electrical	Lighting and Branch Wiring	$191,732.80	49,427,093.3280		1610
4	3	Louise Anderson Hall	Services	Electrical	Lighting and Branch Wiring	$1,251,608.70	50,678,702.0268		1475
4	3	Showalter Hall	Services	Electrical	Communication and Security Systems	$1,257,030.46	51,935,732.4843		1103
4	3	Martin Hall	Services	Electrical	Electrical Service and Distribution	$1,600,404.92	53,536,137.4053		1130
4	3	P.E. Activities Building	Services	Electrical	Communication and Security Systems	$1,591,614.06	55,127,751.4643		1303
4	3	Plant Utilities	Services	Electrical	Lighting and Branch Wiring	$136,116.19	55,263,867.6510		1106
4	3	Isle Hall	Services	Electrical	Communication and Security Systems	$640,216.87	55,904,084.5243		1178
4	3	Dressler Hall	Services	Electrical	Electrical Service and Distribution	$1,339,109.80	57,243,194.3228		1171
4	3	Isle Hall	Services	Electrical	Electrical Service and Distribution	$997,985.06	58,241,179.3827		1178
4	3	Dressler Hall	Services	Electrical	Lighting and Branch Wiring	$1,339,109.80	59,580,289.1812		1171
4	3	Isle Hall	Services	Electrical	Lighting and Branch Wiring	$997,985.06	60,578,274.2411		1178
4	3	President's House	Services	Electrical	Lighting and Branch Wiring	$74,602.08	60,652,876.3238		1184

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
4	3	Plant Utilities	Services	Electrical	Communication and Security Systems	$87,319.82	60,740,196.1474		1106
4	3	Communications Center	Services	Electrical	Electrical Service and Distribution	$560,868.65	61,301,064.7979		1142
4	3	Plant Utilities	Services	Electrical	Special Electrical Systems	$25,682.30	61,326,747.0970		1106
4	3	PE Classroom Building	Services	Electrical	Communication and Security Systems	$594,068.73	61,920,815.8278		1325
4	3	Cheney Hall	Services	Electrical	Communication and Security Systems	$551,034.79	62,471,850.6208		1163
4	4	Huston Hall	Services	HVAC	Controls and Instrumentation	$85,977.37	62,557,827.9955		1124
4	4	Dressler Hall	Services	HVAC	Energy Supply	$252,662.22	62,810,490.2190		1171
4	4	Dryden Hall	Services	HVAC	Controls and Instrumentation	$108,118.81	62,918,609.0243		1480
4	4	Pearce Hall	Services	HVAC	Energy Supply	$305,599.09	63,224,208.1102		1170
4	4	Central Services Building	Services	HVAC	Controls and Instrumentation	$23,504.89	63,247,713.0006		1405
4	4	Anna Maria Apartments	Services	HVAC	Controls and Instrumentation	$282.63	63,247,995.6328		1215
4	4	Streeter Hall	Services	HVAC	Terminal and Package Units	$290,770.01	63,538,765.6383		1465
4	4	Anna Maria Apartments	Services	HVAC	Cooling Generating Systems	$471.05	63,539,236.6920		1215
4	4	Streeter Hall	Services	HVAC	Heat Generating Systems	$2,246,859.17	65,786,095.8611		1465
4	4	Dressler Hall	Services	HVAC	Heat Generating Systems	$2,147,628.97	67,933,724.8312		1171
4	4	Dryden Hall	Services	HVAC	Distribution Systems	$882,970.21	68,816,695.0434		1480
4	4	Louise Anderson Hall	Services	HVAC	Terminal and Package Units	$259,767.84	69,076,462.8882		1475
4	4	Huston Hall	Services	HVAC	Distribution Systems	$702,148.54	69,778,611.4235		1124
4	4	Morrison Hall	Services	HVAC	Controls and Instrumentation	$209,375.56	69,987,986.9804		1463
4	4	Huston Hall	Services	HVAC	Special HVAC Systems and Equipment	$272,261.68	70,260,248.6557		1124
4	4	Morrison Hall	Services	HVAC	Terminal and Package Units	$383,855.18	70,644,103.8380		1463
4	4	Cadet Hall	Services	HVAC	Distribution Systems	$273,853.29	70,917,957.1283		1157
4	4	Morrison Hall	Services	HVAC	Heat Generating Systems	$2,966,153.73	73,884,110.8570		1463
4	4	Cadet Hall	Services	HVAC	Energy Supply	$55,888.43	73,939,999.2838		1157
4	4	Williamson Hall	Services	HVAC	Terminal and Package Units	$181,615.25	74,121,614.5330		1133
4	4	Cadet Hall	Services	HVAC	Terminal and Package Units	$61,477.27	74,183,091.8035		1157
4	4	Anna Maria Apartments	Services	HVAC	Terminal and Package Units	$518.16	74,183,609.9625		1215
4	4	Cheney Hall	Services	HVAC	Special HVAC Systems and Equipment	$307,931.18	74,491,541.1437		1163
4	4	Anna Maria Apartments	Services	HVAC	Heat Generating Systems	$4,003.96	74,495,545.1001		1215
4	4	Louise Anderson Hall	Services	HVAC	Distribution Systems	$1,157,147.65	75,652,692.7484		1475
4	4	Louise Anderson Hall	Services	HVAC	Controls and Instrumentation	$141,691.55	75,794,384.3021		1475
4	4	University Theater	Services	HVAC	Controls and Instrumentation	$113,524.98	75,907,909.2779		1151
4	4	Cheney Hall	Services	HVAC	Terminal and Package Units	$178,275.95	76,086,185.2297		1163
4	4	Morrison Hall	Services	HVAC	Distribution Systems	$1,709,900.32	77,796,085.5518		1463
4	4	Dryden Hall	Services	HVAC	Terminal and Package Units	$198,217.81	77,994,303.3587		1480
4	4	Williamson Hall	Services	HVAC	Controls and Instrumentation	$99,062.86	78,093,366.2233		1133
4	4	Williamson Hall	Services	HVAC	Distribution Systems	$809,013.37	78,902,379.5895		1133
4	4	Dryden Hall	Services	HVAC	Energy Supply	$180,198.00	79,082,577.5927		1480
4	4	Cheney Hall	Services	HVAC	Controls and Instrumentation	$97,241.43	79,179,819.0223		1163
4	4	Communications Center	Services	HVAC	Terminal and Package Units	$116,406.70	79,296,225.7241		1142
4	4	Surplus Sales Building	Services	HVAC	Controls and Instrumentation	$21,705.60	79,317,931.3240		1610
4	4	Showalter Hall	Services	HVAC	Distribution Systems	$1,811,602.57	81,129,533.8964		1103
4	4	Showalter Hall	Services	HVAC	Energy Supply	$369,714.81	81,499,248.7085		1103
4	4	Townhouse Apartments	Services	HVAC	Special HVAC Systems and Equipment	$384,633.72	81,883,882.4255		1210
4	4	Showalter Hall	Services	HVAC	Terminal and Package Units	$406,686.30	82,290,568.7257		1103
4	4	Greenhouse Science	Services	HVAC	Cooling Generating Systems	$3,194.30	82,293,763.0226		1420
4	4	Dorothy Brewster Hall	Services	HVAC	Terminal and Package Units	$161,988.58	82,455,751.6047		1605
4	4	Art Building	Services	HVAC	Distribution Systems	$954,144.97	83,409,896.5769		1145
4	4	Communications Center	Services	HVAC	Controls and Instrumentation	$63,494.57	83,473,391.1424		1142
4	4	Science Building	Services	HVAC	Cooling Generating Systems	$774,078.50	84,247,469.6404		1166
4	4	Kingston Hall	Services	HVAC	Terminal and Package Units	$298,285.76	84,545,755.4017		1190
4	4	Kingston Hall	Services	HVAC	Distribution Systems	$1,328,727.45	85,874,482.8562		1190
4	4	Kingston Hall	Services	HVAC	Controls and Instrumentation	$162,701.33	86,037,184.1828		1190
4	4	John F Kennedy Library	Services	HVAC	Controls and Instrumentation	$420,102.53	86,457,286.7138		1169
4	4	Isle Hall	Services	HVAC	Controls and Instrumentation	$112,979.44	86,570,266.1569		1178
4	4	Isle Hall	Services	HVAC	Heat Generating Systems	$1,600,542.11	88,170,808.2699		1178
4	4	Isle Hall	Services	HVAC	Terminal and Package Units	$207,128.98	88,377,937.2459		1178
4	4	Communications Center	Services	HVAC	Distribution Systems	$518,538.93	88,896,476.1795		1142
4	4	Science Building	Services	HVAC	Special HVAC Systems and Equipment	$1,470,749.13	90,367,225.3113		1166
4	4	Substation	Services	HVAC	Terminal and Package Units	$10,665.27	90,377,890.5811		1455
4	4	Substation	Services	HVAC	Special HVAC Systems and Equipment	$18,421.83	90,396,312.4103		1455
4	4	Radio-TV Building	Services	HVAC	Controls and Instrumentation	$52,612.04	90,448,924.4503		1148
4	4	Governor Martin House	Services	HVAC	Controls and Instrumentation	$9,514.35	90,458,438.8048		1196
4	4	P.E. Activities Building	Services	HVAC	Distribution Systems	$2,293,796.55	92,752,235.3523		1303
4	4	Pavilion	Services	HVAC	Special HVAC Systems and Equipment	$895,788.10	93,648,023.4531		1345
4	4	Pavilion	Services	HVAC	Controls and Instrumentation	$282,880.46	93,930,903.9175		1345
4	4	Showalter Hall	Services	HVAC	Controls and Instrumentation	$221,828.89	94,152,732.8116		1103
4	4	Governor Martin House	Services	HVAC	Distribution Systems	$77,700.56	94,230,433.3703		1196
4	4	Music Building	Services	HVAC	Controls and Instrumentation	$149,282.43	94,379,715.7997		1139
4	4	Chemical Storage	Services	HVAC	Controls and Instrumentation	$1,551.31	94,381,267.1117		1410
4	4	Science Building	Services	HVAC	Terminal and Package Units	$851,486.36	95,232,753.4739		1166
4	4	Science Building	Services	HVAC	Heat Generating Systems	$6,579,667.45	101,812,420.9230		1166
4	4	Music Building	Services	HVAC	Heat Generating Systems	$2,114,834.42	103,927,255.3437		1139
4	4	Surplus Sales Building	Services	HVAC	Heat Generating Systems	$307,496.00	104,234,751.3431		1610
4	4	Music Building	Services	HVAC	Terminal and Package Units	$273,684.45	104,508,435.7932		1139
4	4	Surplus Sales Building	Services	HVAC	Terminal and Package Units	$39,793.60	104,548,229.3925		1610
4	4	Martin Hall	Services	HVAC	Controls and Instrumentation	$181,177.92	104,729,407.3118		1130
4	4	Music Building	Services	HVAC	Distribution Systems	$1,219,139.80	105,948,547.1096		1139
4	4	Turnbull Research Lab	Services	HVAC	Special HVAC Systems and Equipment	$54,635.31	106,003,182.4216		1710
4	4	Townhouse Apartments	Services	HVAC	Terminal and Package Units	$222,682.68	106,225,865.1058		1210
4	4	Townhouse Apartments	Services	HVAC	Distribution Systems	$991,950.12	107,217,815.2241		1210
4	4	Tawanka Commons	Services	HVAC	Distribution Systems	$1,423,572.91	108,641,388.1369		1121
4	4	Streeter Hall	Services	HVAC	Distribution Systems	$1,295,248.18	109,936,636.3163		1465
4	4	Jim Thorpe Fieldhouse	Services	HVAC	Terminal and Package Units	$268,126.10	110,204,762.4115		1335
4	4	Jim Thorpe Fieldhouse	Services	HVAC	Distribution Systems	$1,194,379.85	111,399,142.2653		1335
4	4	University Theater	Services	HVAC	Distribution Systems	$927,120.60	112,326,262.8688		1151

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
4	4	Art Building	Services	HVAC	Special HVAC Systems and Equipment	$369,974.58	112,696,237.4476		1145
4	4	University Theater	Services	HVAC	Terminal and Package Units	$208,129.12	112,904,366.5670		1151
4	4	Art Building	Services	HVAC	Controls and Instrumentation	$116,834.08	113,021,200.6493		1145
4	4	Greenhouse Science	Services	HVAC	Terminal and Package Units	$3,513.73	113,024,714.3760		1420
4	4	Art Building	Services	HVAC	Terminal and Package Units	$214,195.81	113,238,910.1905		1145
4	4	Jim Thorpe Fieldhouse	Services	HVAC	Controls and Instrumentation	$146,250.60	113,385,160.7899		1335
4	4	Townhouse Apartments	Services	HVAC	Cooling Generating Systems	$202,438.80	113,587,599.5903		1210
4	4	Turnbull Research Lab	Services	HVAC	Controls and Instrumentation	$17,253.26	113,604,852.8474		1710
4	4	Greenhouse Science	Services	HVAC	Special HVAC Systems and Equipment	$6,069.16	113,610,922.0115		1420
4	4	Greenhouse Science	Services	HVAC	Distribution Systems	$15,652.05	113,626,574.0664		1420
4	5	Anna Maria Apartments	Services	Plumbing	Rain Water Drainage	$235.53	113,626,809.5932		1215
4	5	Anna Maria Apartments	Services	Plumbing	Plumbing Fixtures	$1,271.85	113,628,081.4382		1215
4	5	Anna Maria Apartments	Services	Plumbing	Domestic Water Distribution	$1,271.85	113,629,353.2832		1215
4	5	Music Building	Services	Plumbing	Plumbing Fixtures	$671,770.94	114,301,124.2272		1139
4	5	Greenhouse Boneyard	Services	Plumbing	Plumbing Fixtures	$6,987.21	114,308,111.4334		1425
4	5	Anna Maria Apartments	Services	Plumbing	Sanitary Waste	$800.79	114,308,912.2247		1215
4	5	Kingston Hall	Services	Plumbing	Special Plumbing Systems	$379,636.44	114,688,548.6619		1190
4	5	Jim Thorpe Fieldhouse	Services	Plumbing	Plumbing Fixtures	$658,127.71	115,346,676.3707		1335
4	5	Pavilion	Services	Plumbing	Plumbing Fixtures	$1,272,962.11	116,619,638.4827		1345
4	5	Plant Utilities	Services	Plumbing	Plumbing Fixtures	$69,342.21	116,688,980.6936		1106
4	5	Plant Utilities	Services	Plumbing	Domestic Water Distribution	$69,342.21	116,758,322.9045		1106
4	5	Plant Utilities	Services	Plumbing	Sanitary Waste	$43,659.91	116,801,982.8163		1106
4	5	P.E. Activities Building	Services	Plumbing	Plumbing Fixtures	$1,263,928.78	118,065,911.5920		1303
4	5	P.E. Activities Building	Services	Plumbing	Sanitary Waste	$795,807.03	118,861,718.6215		1303
4	5	Red Barn	Services	Plumbing	Sanitary Waste	$74,217.89	118,935,936.5149		1205
4	5	Science Building	Services	Plumbing	Sanitary Waste	$1,315,933.55	120,251,870.0624		1166
4	5	Pavilion	Services	Plumbing	Domestic Water Distribution	$1,272,962.11	121,524,832.1744		1345
4	5	Greenhouse Boneyard	Services	Plumbing	Special Plumbing Systems	$3,623.00	121,528,455.1702		1425
4	5	Pavilion	Services	Plumbing	Sanitary Waste	$801,494.69	122,329,949.8561		1345
4	5	Greenhouse Science	Services	Plumbing	Special Plumbing Systems	$4,472.02	122,334,421.8721		1420
4	5	Turnbull Research Lab	Services	Plumbing	Plumbing Fixtures	$77,639.66	122,412,061.5306		1710
4	5	Turnbull Research Lab	Services	Plumbing	Special Plumbing Systems	$40,257.60	122,452,319.1315		1710
4	5	Dryden Hall	Services	Plumbing	Sanitary Waste	$306,336.63	122,758,655.7604		1480
4	5	Science Building	Services	Plumbing	Special Plumbing Systems	$1,083,709.95	123,842,365.7153		1166
4	5	Greenhouse Science	Services	Plumbing	Plumbing Fixtures	$8,624.60	123,850,990.3174		1420
4	5	Aquatics Building	Services	Plumbing	Sanitary Waste	$180,063.22	124,031,053.5387		1340
4	5	Chemical Storage	Services	Plumbing	Domestic Water Distribution	$6,980.90	124,038,034.4428		1410
4	5	Cadet Hall	Services	Plumbing	Plumbing Fixtures	$150,898.76	124,188,933.2024		1157
4	5	Townhouse Apartments	Services	Plumbing	Domestic Water Distribution	$546,584.79	124,735,517.9899		1210
4	5	Communications Center	Services	Plumbing	Plumbing Fixtures	$285,725.55	125,021,243.5396		1142
4	5	Tawanka Commons	Services	Plumbing	Special Plumbing Systems	$406,735.14	125,427,978.6807		1121
4	5	Townhouse Apartments	Services	Plumbing	Sanitary Waste	$344,145.99	125,772,124.6678		1210
4	5	Cheney Hall	Services	Plumbing	Plumbing Fixtures	$437,586.44	126,209,711.1087		1163
4	5	Louise Anderson Hall	Services	Plumbing	Domestic Water Distribution	$637,612.00	126,847,323.1114		1475
4	5	Isle Hall	Services	Plumbing	Sanitary Waste	$320,108.44	127,167,431.5480		1178
4	5	Greenhouse Science	Services	Plumbing	Domestic Water Distribution	$8,624.60	127,176,056.1501		1420
4	5	Aquatics Building	Services	Plumbing	Special Plumbing Systems	$148,287.36	127,324,343.5053		1340
4	5	Aquatics Building	Services	Plumbing	Plumbing Fixtures	$285,982.76	127,610,326.2604		1340
4	5	Woodward Field Concessions	Services	Plumbing	Plumbing Fixtures	$21,565.96	127,631,892.2164		1370
4	5	Isle Hall	Services	Plumbing	Plumbing Fixtures	$508,407.50	128,140,299.7190		1178
4	5	Isle Hall	Services	Plumbing	Domestic Water Distribution	$508,407.50	128,648,707.2216		1178
4	5	Woodward Field Concessions	Services	Plumbing	Domestic Water Distribution	$21,565.96	128,670,273.1776		1370
4	5	Townhouse Apartments	Services	Plumbing	Plumbing Fixtures	$546,584.79	129,216,857.9651		1210
4	5	Woodward Field Concessions	Services	Plumbing	Sanitary Waste	$13,578.57	129,230,436.5304		1370
4	5	Louise Anderson Hall	Services	Plumbing	Rain Water Drainage	$118,076.29	129,348,512.8215		1475
4	5	Chemical Storage	Services	Plumbing	Plumbing Fixtures	$6,980.90	129,355,493.7256		1410
4	5	Showalter Hall	Services	Plumbing	Rain Water Drainage	$184,857.41	129,540,351.1316		1103
4	5	Showalter Hall	Services	Plumbing	Domestic Water Distribution	$998,230.04	130,538,581.1725		1103
4	5	Showalter Hall	Services	Plumbing	Plumbing Fixtures	$998,230.04	131,536,811.2134		1103
4	5	Louise Anderson Hall	Services	Plumbing	Plumbing Fixtures	$637,612.00	132,174,423.2161		1475
4	5	Dryden Hall	Services	Plumbing	Plumbing Fixtures	$486,534.63	132,660,957.8482		1480
4	5	Showalter Hall	Services	Plumbing	Sanitary Waste	$628,515.23	133,289,473.0770		1103
4	5	Kingston Hall	Services	Plumbing	Plumbing Fixtures	$732,155.98	134,021,629.0594		1190
4	5	Louise Anderson Hall	Services	Plumbing	Sanitary Waste	$401,459.42	134,423,088.4799		1475
4	6	Martin Hall	Shell	Roofing	Roof Opening	$301,963.19	134,725,051.6694		1130
4	6	Isle Hall	Shell	Roofing	Roof Coverings	$301,278.53	135,026,330.1959		1178
4	6	Anna Maria Apartments	Shell	Roofing	Roof Opening	$471.05	135,026,801.2496		1215
4	6	Anna Maria Apartments	Shell	Roofing	Roof Coverings	$753.69	135,027,554.9355		1215
4	6	Martin Hall	Shell	Roofing	Roof Coverings	$483,141.14	135,510,696.0724		1130
4	6	Anna Maria Apartments	Shell	Roofing	Projections	$188.42	135,510,884.4939		1215
4	6	Isle Hall	Shell	Roofing	Roof Opening	$188,299.07	135,699,183.5598		1178
4	6	Science Building	Shell	Roofing	Projections	$309,631.42	136,008,814.9806		1166
4	6	Martin Hall	Shell	Roofing	Projections	$120,785.28	136,129,600.2648		1130
4	6	Greenhouse Boneyard	Shell	Roofing	Roof Coverings	$4,140.57	136,133,740.8315		1425
4	6	Tawanka Commons	Shell	Roofing	Roof Coverings	$464,840.17	136,598,581.0005		1121
4	6	Science Building	Shell	Roofing	Roof Opening	$774,078.50	137,372,659.4985		1166
4	6	Science Building	Shell	Roofing	Roof Coverings	$1,238,525.68	138,611,185.1818		1166
4	6	Williamson Hall	Shell	Roofing	Projections	$66,041.91	138,677,227.0941		1133
4	6	Morrison Hall	Shell	Roofing	Roof Coverings	$558,334.84	139,235,561.9343		1463
4	6	Fifth Street Hall	Shell	Roofing	Projections	$9,771.76	139,245,333.6992		1197
4	6	Streeter Hall	Shell	Roofing	Projections	$105,734.55	139,351,068.2522		1465
4	6	Pearce Hall	Shell	Roofing	Projections	$122,239.64	139,473,307.8951		1170
4	6	Morrison Hall	Shell	Roofing	Projections	$139,583.71	139,612,891.6051		1463
4	6	Streeter Hall	Shell	Roofing	Roof Coverings	$422,938.21	140,035,829.8173		1465
4	7	Anna Maria Apartments	Shell	Exterior Closure	Exterior Walls	$2,732.11	140,038,561.9286		1215
4	7	Surplus Sales Building	Shell	Exterior Closure	Exterior Walls	$209,820.79	140,248,382.7199		1610

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
4	7	Surbeck Services	Shell	Exterior Closure	Exterior Windows	$379,356.40	140,627,739.1235		1450
4	7	Dryden Hall	Shell	Exterior Closure	Exterior Windows	$468,514.83	141,096,253.9519		1480
4	7	Louise Anderson Hall	Shell	Exterior Closure	Exterior Windows	$613,996.74	141,710,250.6920		1475
4	7	Woodward Field Concessions	Shell	Exterior Closure	Exterior Walls	$46,326.87	141,756,577.5579		1370
4	7	Jim Thorpe Fieldhouse	Shell	Exterior Closure	Exterior Walls	$1,413,755.74	143,170,333.2995		1335
4	7	Greenhouse Boneyard	Shell	Exterior Closure	Exterior Windows	$6,728.42	143,177,061.7202		1425
4	7	Streeter Hall	Shell	Exterior Closure	Exterior Doors	$158,601.82	143,335,663.5436		1465
4	7	Science Building	Shell	Exterior Closure	Exterior Doors	$464,447.11	143,800,110.6568		1166
4	7	Louise Anderson Hall	Shell	Exterior Closure	Exterior Walls	$1,369,684.97	145,169,795.6247		1475
4	7	Pearce Hall	Shell	Exterior Closure	Exterior Walls	$1,772,474.69	146,942,270.3115		1170
4	7	Science Building	Shell	Exterior Closure	Exterior Walls	$4,489,655.26	151,431,925.5710		1166
4	7	Pearce Hall	Shell	Exterior Closure	Exterior Doors	$183,359.46	151,615,285.0282		1170
4	7	Surplus Sales Building	Shell	Exterior Closure	Exterior Windows	$94,057.60	151,709,342.6290		1610
4	7	Townhouse Apartments	Shell	Exterior Closure	Exterior Walls	$1,174,145.03	152,883,487.6639		1210
4	7	Surplus Sales Building	Shell	Exterior Closure	Exterior Doors	$21,705.60	152,905,193.2638		1610
4	7	Cheney Hall	Shell	Exterior Closure	Exterior Windows	$421,379.53	153,326,572.7972		1163
4	7	Plant Utilities	Shell	Exterior Closure	Exterior Doors	$15,409.38	153,341,982.1771		1106
4	7	Isle Hall	Shell	Exterior Closure	Exterior Walls	$1,092,134.58	154,434,116.7525		1178
4	7	Tawanka Commons	Shell	Exterior Closure	Exterior Windows	$755,365.25	155,189,482.0069		1121
4	7	Dressler Hall	Shell	Exterior Closure	Exterior Walls	$1,465,440.89	156,654,922.8936		1171
4	7	Plant Utilities	Shell	Exterior Closure	Exterior Walls	$148,957.33	156,803,880.2274		1106
4	7	Greenhouse Boneyard	Shell	Exterior Closure	Exterior Walls	$15,009.55	156,818,889.7806		1425
4	7	Fifth Street Hall	Shell	Exterior Closure	Exterior Windows	$63,516.47	156,882,406.2510		1197
4	7	Plant Utilities	Shell	Exterior Closure	Exterior Windows	$66,773.98	156,949,180.2315		1106
4	8	Williamson Hall	Shell	Superstructure	Roof Construction	$792,502.92	157,741,683.1484		1133
4	8	Tawanka Commons	Shell	Superstructure	Roof Construction	$1,394,520.45	159,136,203.6014		1121
4	8	Plant Utilities	Shell	Superstructure	Roof Construction	$123,275.04	159,259,478.6409		1106
4	8	Anna Maria Apartments	Shell	Superstructure	Roof Construction	$2,261.06	159,261,739.6986		1215
4	8	Townhouse Apartments	Shell	Superstructure	Floor Construction	$1,457,559.33	160,719,299.0315		1210
4	8	Fifth Street Hall	Shell	Superstructure	Roof Construction	$117,261.17	160,836,560.2062		1197
4	8	Louise Anderson Hall	Shell	Superstructure	Roof Construction	$1,133,532.43	161,970,092.6359		1475
4	8	Plant Utilities	Shell	Superstructure	Floor Construction	$184,912.55	162,155,005.1856		1106
4	8	Martin Hall	Shell	Superstructure	Roof Construction	$1,449,423.35	163,604,428.5400		1130
4	8	Fifth Street Hall	Shell	Superstructure	Floor Construction	$175,891.75	163,780,320.2930		1197
4	8	Sutton Hall	Shell	Superstructure	Floor Construction	$984,467.47	164,764,787.7583		1112
4	8	Sutton Hall	Shell	Superstructure	Roof Construction	$656,311.68	165,421,099.4358		1112
4	8	Isle Hall	Shell	Superstructure	Floor Construction	$1,355,753.25	166,776,852.6824		1178
4	9	Showalter Hall	Interiors	Staircases	Stair Finishes	$110,914.45	166,887,767.1295		1103
4	9	Plant Utilities	Interiors	Staircases	Stair Construction	$43,659.91	166,931,427.0413		1106
4	9	Fifth Street Hall	Interiors	Staircases	Stair Construction	$41,530.00	166,972,957.0426		1197
4	9	Fifth Street Hall	Interiors	Staircases	Stair Finishes	$7,328.82	166,980,285.8660		1197
4	10	PE Classroom Building	Interiors	Interior Construction	Specialties	$262,089.13	167,242,374.9919		1325
4	10	Louise Anderson Hall	Interiors	Interior Construction	Specialties	$354,228.87	167,596,603.8652		1475
4	10	Showalter Hall	Interiors	Interior Construction	Specialties	$554,572.22	168,151,176.0833		1103
4	10	Isle Hall	Interiors	Interior Construction	Specialties	$282,448.60	168,433,624.6822		1178
4	10	Williamson Hall	Interiors	Interior Construction	Specialties	$247,657.15	168,681,281.8361		1133
4	10	Fifth Street Hall	Interiors	Interior Construction	Interior Doors	$56,187.65	168,737,469.4820		1197
4	10	Martin Hall	Interiors	Interior Construction	Specialties	$452,944.78	169,190,414.2662		1130
4	10	Morrison Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,814,588.18	171,005,002.4480		1463
4	10	Kingston Hall	Interiors	Interior Construction	Specialties	$406,753.30	171,411,755.7519		1190
4	10	Dryden Hall	Interiors	Interior Construction	Specialties	$270,297.00	171,682,052.7567		1480
4	10	Rozell Plant	Interiors	Interior Construction	Specialties	$282,097.98	171,964,150.7344		1460
4	10	Plant Utilities	Interiors	Interior Construction	Fixed and Moveable Partitions	$133,547.96	172,097,698.6955		1106
4	10	Pearce Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,589,115.31	173,686,814.0104		1170
4	10	Streeter Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,374,549.15	175,061,363.1631		1465
4	10	Fifth Street Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$127,032.94	175,188,396.1039		1197
4	10	Townhouse Apartments	Interiors	Interior Construction	Interior Doors	$465,609.25	175,654,005.3562		1210
4	11	Science Building	Interiors	Interior Finishes	Ceiling Finishes	$1,702,972.72	177,356,978.0806		1166
4	11	Morrison Hall	Interiors	Interior Finishes	Ceiling Finishes	$767,710.36	178,124,688.4452		1463
4	11	Showalter Hall	Interiors	Interior Finishes	Ceiling Finishes	$813,372.60	178,938,061.0456		1103
4	11	Woodward Field Concessions	Interiors	Interior Finishes	Wall Finishes	$19,968.48	178,958,029.5231		1370
4	11	Chemical Storage	Interiors	Interior Finishes	Wall Finishes	$6,463.80	178,964,493.3231		1410
4	11	Dressler Hall	Interiors	Interior Finishes	Wall Finishes	$631,655.58	179,596,148.9053		1171
4	11	Pearce Hall	Interiors	Interior Finishes	Wall Finishes	$763,997.74	180,360,146.6485		1170
4	11	Surplus Sales Building	Interiors	Interior Finishes	Wall Finishes	$90,440.00	180,450,586.6487		1610
4	11	Streeter Hall	Interiors	Interior Finishes	Floor Finishes	$1,136,646.43	181,587,233.0785		1465
4	11	Morrison Hall	Interiors	Interior Finishes	Wall Finishes	$872,398.16	182,459,631.2378		1463
4	11	Plant Utilities	Interiors	Interior Finishes	Wall Finishes	$64,205.75	182,523,836.9880		1106
4	11	Fifth Street Hall	Interiors	Interior Finishes	Ceiling Finishes	$53,744.70	182,577,581.6923		1197
4	11	Morrison Hall	Interiors	Interior Finishes	Floor Finishes	$1,500,524.86	184,078,106.5549		1463
4	11	Surbeck Services	Interiors	Interior Finishes	Wall Finishes	$364,765.77	184,442,872.3255		1450
4	11	Fifth Street Hall	Interiors	Interior Finishes	Floor Finishes	$105,046.47	184,547,918.7972		1197
4	11	Louise Anderson Hall	Interiors	Interior Finishes	Floor Finishes	$1,015,456.16	185,563,374.9578		1475
4	11	Fifth Street Hall	Interiors	Interior Finishes	Wall Finishes	$61,073.53	185,624,448.4867		1197
4	11	Streeter Hall	Interiors	Interior Finishes	Ceiling Finishes	$581,540.01	186,205,988.4977		1465
4	11	Cheney Hall	Interiors	Interior Finishes	Ceiling Finishes	$356,551.90	186,562,540.4013		1163
4	12	Plant Utilities	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$7,704.69	186,570,245.0913		1106
4	12	Surbeck Services	Special Construction	Special Construction	Special Controls and Instrumentation	$145,906.30	186,716,151.3941		1450
4	12	Surbeck Services	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$145,906.30	186,862,057.6969		1450
4	12	Louise Anderson Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$70,845.78	186,932,903.4738		1475
4	12	Greenhouse Boneyard	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$776.36	186,933,679.8300		1425
4	12	Isle Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$56,489.72	186,990,169.5515		1178
4	12	Greenhouse Science	Special Construction	Special Construction	Special Controls and Instrumentation	$3,194.30	186,993,363.8484		1420
4	13	Plant Utilities	Substructure	Foundations	Standard Foundations	$107,865.66	187,101,229.5056		1106
4	13	Townhouse Apartments	Substructure	Foundations	Slab on Grade	$566,828.67	187,668,058.1770		1210
4	13	Indian Education Center	Substructure	Foundations	Slab on Grade	$51,746.31	187,719,804.4879		1193

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
4	13	University Theater	Substructure	Foundations	Slab on Grade	$529,783.23	188,249,587.7201		1151
4	13	Townhouse Apartments	Substructure	Foundations	Standard Foundations	$850,242.97	189,099,830.6894		1210
4	13	Martin Hall	Substructure	Foundations	Slab on Grade	$845,496.98	189,945,327.6649		1130
4	13	Streeter Hall	Substructure	Foundations	Slab on Grade	$740,141.86	190,685,469.5239		1465
4	13	President's House	Substructure	Foundations	Slab on Grade	$39,412.42	190,724,881.9466		1184
4	13	Plant Utilities	Substructure	Foundations	Slab on Grade	$71,910.44	190,796,792.3879		1106
4	13	Art Building	Substructure	Foundations	Slab on Grade	$545,225.73	191,342,018.1174		1145
4	13	Computing and Engineering Sciences Bldg	Substructure	Foundations	Slab on Grade	$1,439,343.32	192,781,361.4338		1160
4	13	Music Building	Substructure	Foundations	Slab on Grade	$696,651.35	193,478,012.7866		1139
4	13	Communications Center	Substructure	Foundations	Slab on Grade	$296,307.98	193,774,320.7655		1142
4	13	Radio-TV Building	Substructure	Foundations	Slab on Grade	$245,522.86	194,019,843.6245		1148
4	13	Fifth Street Hall	Substructure	Foundations	Slab on Grade	$68,402.35	194,088,245.9780		1197
3	1	Science Building	Services	Fire Protection	Special Fire Protection Systems	$154,815.71	194,243,061.6884		1166
3	1	University Theater	Services	Fire Protection	Fire Protection Sprinkler Systems	$264,891.62	194,507,953.3045		1151
3	1	Tawanka Commons	Services	Fire Protection	Special Fire Protection Systems	$58,105.02	194,566,058.3256		1121
3	1	Science Building	Services	Fire Protection	Fire Protection Sprinkler Systems	$1,083,709.95	195,649,768.2805		1166
3	1	Communications Center	Services	Fire Protection	Fire Protection Sprinkler Systems	$148,153.99	195,797,922.2700		1142
3	1	Martin Hall	Services	Fire Protection	Stand-Pipe and Hose Systems	$60,392.64	195,858,314.9121		1130
3	1	Communications Center	Services	Fire Protection	Fire Protection Specialties	$21,164.86	195,879,479.7681		1142
3	1	Indian Education Center	Services	Fire Protection	Fire Protection Specialties	$3,696.17	195,883,175.9332		1193
3	1	Huston Hall	Services	Fire Protection	Fire Protection Specialties	$28,659.13	195,911,835.0592		1124
3	1	Dressler Hall	Services	Fire Protection	Stand-Pipe and Hose Systems	$50,532.45	195,962,367.5074		1171
3	1	Pearce Hall	Services	Fire Protection	Fire Protection Specialties	$61,119.82	196,023,487.3288		1170
3	1	Pearce Hall	Services	Fire Protection	Stand-Pipe and Hose Systems	$61,119.82	196,084,607.1502		1170
3	1	Science Building	Services	Fire Protection	Stand-Pipe and Hose Systems	$154,815.71	196,239,422.8606		1166
3	1	Woodward Field Press Box	Services	Fire Protection	Fire Protection Specialties	$5,983.38	196,245,406.2420		1385
3	1	Pavilion	Services	Fire Protection	Fire Protection Sprinkler Systems	$660,054.43	196,905,460.6737		1345
3	1	Cheney Hall	Services	Fire Protection	Fire Protection Specialties	$32,413.81	196,937,874.4848		1163
3	1	P.E. Activities Building	Services	Fire Protection	Special Fire Protection Systems	$93,624.36	197,031,498.8406		1303
3	1	P.E. Activities Building	Services	Fire Protection	Fire Protection Sprinkler Systems	$655,370.48	197,686,869.3201		1303
3	1	Hazardous Waste Transfer Facility	Services	Fire Protection	Fire Protection Specialties	$795.34	197,687,664.6601		1435
3	1	P.E. Activities Building	Services	Fire Protection	Fire Protection Specialties	$93,624.36	197,781,289.0159		1303
3	1	Dryden Hall	Services	Fire Protection	Fire Protection Specialties	$36,039.60	197,817,328.6191		1480
3	1	Dryden Hall	Services	Fire Protection	Special Fire Protection Systems	$36,039.60	197,853,368.2223		1480
3	2	John F Kennedy Library	Services	Vertical Transportation	Elevators and Lifts	$700,170.86	198,553,539.0856		1169
3	2	Cheney Hall	Services	Vertical Transportation	Elevators and Lifts	$162,069.04	198,715,608.1299		1163
3	2	Sutton Hall	Services	Vertical Transportation	Elevators and Lifts	$136,731.60	198,852,339.7251		1112
3	2	Huston Hall	Services	Vertical Transportation	Elevators and Lifts	$143,295.62	198,995,635.3451		1124
3	2	Art Building	Services	Vertical Transportation	Elevators and Lifts	$194,723.46	199,190,358.8096		1145
3	2	Pearce Hall	Services	Vertical Transportation	Elevators and Lifts	$305,599.09	199,495,957.8955		1170
3	2	Music Building	Services	Vertical Transportation	Elevators and Lifts	$248,804.04	199,744,761.9368		1139
3	3	Grounds Covered Storage	Services	Electrical	Lighting and Branch Wiring	$46,311.93	199,791,073.8657		1415
3	3	Jim Thorpe Fieldhouse	Services	Electrical	Electrical Service and Distribution	$1,291,880.27	201,082,954.1342		1335
3	3	Radio-TV Building	Services	Electrical	Lighting and Branch Wiring	$464,739.68	201,547,693.8118		1148
3	3	Turnbull Research Lab	Services	Electrical	Electrical Service and Distribution	$152,403.77	201,700,097.5801		1710
3	3	P.E. Activities Building	Services	Electrical	Electrical Service and Distribution	$2,481,045.28	204,181,142.8609		1303
3	3	Art Building	Services	Electrical	Lighting and Branch Wiring	$1,032,034.37	205,213,177.2334		1145
3	3	Turnbull Research Lab	Services	Electrical	Lighting and Branch Wiring	$152,403.77	205,365,581.0017		1710
3	3	Pavilion	Services	Electrical	Lighting and Branch Wiring	$2,498,777.38	207,864,358.3864		1345
3	3	P.E. Activities Building	Services	Electrical	Lighting and Branch Wiring	$2,481,045.28	210,345,403.6672		1303
3	3	Biology Boat Garage	Services	Electrical	Electrical Service and Distribution	$58,114.22	210,403,517.8875		1485
3	3	Jim Thorpe Fieldhouse	Services	Electrical	Lighting and Branch Wiring	$1,291,880.27	211,695,398.1560		1335
3	3	Grounds Covered Storage	Services	Electrical	Electrical Service and Distribution	$46,311.93	211,741,710.0849		1415
3	3	Greenhouse Science	Services	Electrical	Electrical Service and Distribution	$16,929.77	211,758,639.8588		1420
3	3	Cadet Hall	Services	Electrical	Communication and Security Systems	$190,020.67	211,948,660.5245		1157
3	3	Radio-TV Building	Services	Electrical	Communication and Security Systems	$298,134.91	212,246,795.4317		1148
3	3	Williamson Hall	Services	Electrical	Communication and Security Systems	$561,356.26	212,808,151.6902		1133
3	3	Surbeck Services	Services	Electrical	Electrical Service and Distribution	$773,303.41	213,581,455.1031		1450
3	3	Governor Martin House	Services	Electrical	Lighting and Branch Wiring	$84,043.46	213,665,498.5658		1196
3	3	Pavilion	Services	Electrical	Electrical Service and Distribution	$2,498,777.38	216,164,275.9505		1345
3	3	Art Building	Services	Electrical	Communication and Security Systems	$662,059.83	216,826,335.7804		1145
3	3	John F Kennedy Library	Services	Electrical	Electrical Service and Distribution	$3,710,905.61	220,537,241.3950		1169
3	3	Streeter Hall	Services	Electrical	Lighting and Branch Wiring	$1,400,982.74	221,938,224.1398		1465
3	3	Streeter Hall	Services	Electrical	Electrical Service and Distribution	$1,400,982.74	223,339,206.8846		1465
3	3	John F Kennedy Library	Services	Electrical	Lighting and Branch Wiring	$3,710,905.61	227,050,112.4992		1169
3	3	Dorothy Brewster Hall	Services	Electrical	Communication and Security Systems	$500,692.01	227,550,804.5101		1605
3	3	Communications Center	Services	Electrical	Communication and Security Systems	$359,802.55	227,910,607.0644		1142
3	3	Morrison Hall	Services	Electrical	Electrical Service and Distribution	$1,849,484.05	229,760,091.1128		1463
3	3	Morrison Hall	Services	Electrical	Lighting and Branch Wiring	$1,849,484.05	231,609,575.1612		1463
3	3	Monroe Hall	Services	Electrical	Communication and Security Systems	$873,931.45	232,483,506.6077		1118
3	3	John F Kennedy Library	Services	Electrical	Communication and Security Systems	$2,380,581.12	234,864,087.7255		1169
3	3	Biology Boat Garage	Services	Electrical	Lighting and Branch Wiring	$58,114.22	234,922,201.9458		1485
3	3	President's Garage	Services	Electrical	Lighting and Branch Wiring	$11,178.00	234,933,379.9476		1185
3	3	Kingston Hall	Services	Electrical	Electrical Service and Distribution	$1,437,195.02	236,370,574.9700		1190
3	3	Kingston Hall	Services	Electrical	Lighting and Branch Wiring	$1,437,195.02	237,807,769.9924		1190
3	3	Greenhouse Boneyard	Services	Electrical	Lighting and Branch Wiring	$13,715.63	237,821,485.6188		1425
3	3	Surbeck Services	Services	Electrical	Lighting and Branch Wiring	$773,303.41	238,594,789.0317		1450
3	3	Governor Martin House	Services	Electrical	Electrical Service and Distribution	$84,043.46	238,678,832.4944		1196
3	3	Townhouse Apartments	Services	Electrical	Lighting and Branch Wiring	$1,072,925.65	239,751,758.1480		1210
3	3	Communications Center	Services	Electrical	Lighting and Branch Wiring	$560,868.65	240,312,626.7985		1142
3	3	Science Building	Services	Electrical	Lighting and Branch Wiring	$4,102,616.08	244,415,242.8811		1166
3	3	Williamson Hall	Services	Electrical	Lighting and Branch Wiring	$875,055.29	245,290,298.1673		1133
3	3	Pearce Hall	Services	Electrical	Communication and Security Systems	$1,039,036.97	246,329,335.1390		1170
3	3	President's House	Services	Electrical	Electrical Service and Distribution	$74,602.08	246,403,937.2217		1184
3	3	Biology Storage	Services	Electrical	Lighting and Branch Wiring	$17,613.94	246,421,551.1618		1490
3	3	Science Building	Services	Electrical	Communication and Security Systems	$2,631,867.10	249,053,418.2568		1166

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
3	3	Martin Hall	Services	Electrical	Lighting and Branch Wiring	$1,600,404.92	250,653,823.1778		1130
3	3	Woodward Field Concessions	Services	Electrical	Lighting and Branch Wiring	$42,333.17	250,696,156.3491		1370
3	3	Aquatics Building	Services	Electrical	Lighting and Branch Wiring	$561,373.54	251,257,529.8842		1340
3	3	Townhouse Apartments	Services	Electrical	Electrical Service and Distribution	$1,072,925.65	252,330,455.5378		1210
3	3	Martin Hall	Services	Electrical	Communication and Security Systems	$1,026,674.92	253,357,130.4607		1130
3	3	Indian Education Center	Services	Electrical	Lighting and Branch Wiring	$97,948.37	253,455,078.8308		1193
3	3	Music Building	Services	Electrical	Lighting and Branch Wiring	$1,318,661.43	254,773,740.2637		1139
3	3	Tawanka Commons	Services	Electrical	Lighting and Branch Wiring	$1,539,782.97	256,313,523.2323		1121
3	3	Tawanka Commons	Services	Electrical	Electrical Service and Distribution	$1,539,782.97	257,853,306.2009		1121
3	3	Music Building	Services	Electrical	Electrical Service and Distribution	$1,318,661.43	259,171,967.6338		1139
3	3	Plant Utilities	Services	Electrical	Electrical Service and Distribution	$136,116.19	259,308,083.8205		1106
3	3	Science Building	Services	Electrical	Electrical Service and Distribution	$4,102,616.08	263,410,699.9031		1166
3	3	Central Services Building	Services	Electrical	Lighting and Branch Wiring	$207,626.53	263,618,326.4308		1405
3	3	Greenhouse Science	Services	Electrical	Lighting and Branch Wiring	$16,929.77	263,635,256.2047		1420
3	3	Rozell Plant	Services	Electrical	Lighting and Branch Wiring	$996,746.20	264,632,002.4029		1460
3	3	Music Building	Services	Electrical	Communication and Security Systems	$845,933.81	265,477,936.2083		1139
3	3	Huston Hall	Services	Electrical	Electrical Service and Distribution	$759,466.79	266,237,403.0023		1124
3	3	President's Garage	Services	Electrical	Electrical Service and Distribution	$11,178.00	266,248,581.0041		1185
3	3	Central Services Building	Services	Electrical	Electrical Service and Distribution	$207,626.53	266,456,207.5318		1405
3	3	Aquatics Building	Services	Electrical	Electrical Service and Distribution	$561,373.54	267,017,581.0669		1340
3	3	Rozell Plant	Services	Electrical	Electrical Service and Distribution	$996,746.20	268,014,327.2651		1460
3	3	Huston Hall	Services	Electrical	Lighting and Branch Wiring	$759,466.79	268,773,794.0591		1124
3	3	Woodward Field Concessions	Services	Electrical	Electrical Service and Distribution	$42,333.17	268,816,127.2304		1370
3	3	University Theater	Services	Electrical	Communication and Security Systems	$643,308.23	269,459,435.4560		1151
3	3	University Theater	Services	Electrical	Lighting and Branch Wiring	$1,002,803.93	270,462,239.3884		1151
3	3	Biology Storage	Services	Electrical	Electrical Service and Distribution	$17,613.94	270,479,853.3285		1490
3	3	University Theater	Services	Electrical	Electrical Service and Distribution	$1,002,803.93	271,482,657.2609		1151
3	4	Radio-TV Building	Services	HVAC	Terminal and Package Units	$96,455.41	271,579,112.6663		1148
3	4	Woodward Field Toilets	Services	HVAC	Energy Supply	$12,676.83	271,591,789.4937		1365
3	4	Art Building	Services	HVAC	Energy Supply	$194,723.46	271,786,512.9582		1145
3	4	John F Kennedy Library	Services	HVAC	Special HVAC Systems and Equipment	$1,330,324.63	273,116,837.5854		1169
3	4	Substation	Services	HVAC	Heat Generating Systems	$82,413.45	273,199,251.0352		1455
3	4	Substation	Services	HVAC	Controls and Instrumentation	$5,817.42	273,205,068.4552		1455
3	4	John F Kennedy Library	Services	HVAC	Distribution Systems	$3,430,837.22	276,635,905.6724		1169
3	4	John F Kennedy Library	Services	HVAC	Terminal and Package Units	$770,187.96	277,406,093.6351		1169
3	4	Surbeck Services	Services	HVAC	Controls and Instrumentation	$87,543.78	277,493,637.4195		1450
3	4	Sutton Hall	Services	HVAC	Heat Generating Systems	$1,162,218.60	278,655,856.0171		1112
3	4	Aquatics Building	Services	HVAC	Terminal and Package Units	$116,511.49	278,772,367.5063		1340
3	4	Hazardous Waste Transfer Facility	Services	HVAC	Special HVAC Systems and Equipment	$7,555.73	278,779,923.2360		1435
3	4	Aquatics Building	Services	HVAC	Energy Supply	$105,919.53	278,885,842.7698		1340
3	4	Hazardous Waste Transfer Facility	Services	HVAC	Cooling Generating Systems	$3,976.70	278,889,819.4697		1435
3	4	Sutton Hall	Services	HVAC	Terminal and Package Units	$150,404.76	279,040,224.2270		1112
3	4	Isle Hall	Services	HVAC	Energy Supply	$188,299.07	279,228,523.2929		1178
3	4	John F Kennedy Library	Services	HVAC	Energy Supply	$700,170.86	279,928,694.1562		1169
3	4	Tawanka Commons	Services	HVAC	Controls and Instrumentation	$174,315.06	280,103,009.2128		1121
3	4	Hazardous Waste Transfer Facility	Services	HVAC	Terminal and Package Units	$4,374.37	280,107,383.5827		1435
3	4	Sutton Hall	Services	HVAC	Energy Supply	$136,731.60	280,244,115.1779		1112
3	4	Sutton Hall	Services	HVAC	Distribution Systems	$669,984.81	280,914,099.9920		1112
3	4	Sutton Hall	Services	HVAC	Cooling Generating Systems	$136,731.60	281,050,831.5872		1112
3	4	Radio-TV Building	Services	HVAC	Energy Supply	$87,686.73	281,138,518.3179		1148
3	4	Tawanka Commons	Services	HVAC	Heat Generating Systems	$2,469,463.31	283,607,981.6246		1121
3	4	President's House	Services	HVAC	Heat Generating Systems	$119,644.85	283,727,626.4769		1184
3	4	Tawanka Commons	Services	HVAC	Energy Supply	$290,525.09	284,018,151.5623		1121
3	4	Aquatics Building	Services	HVAC	Distribution Systems	$519,005.71	284,537,157.2760		1340
3	4	P.E. Activities Building	Services	HVAC	Energy Supply	$468,121.75	285,005,279.0222		1303
3	4	Pavilion	Services	HVAC	Terminal and Package Units	$518,614.18	285,523,893.1997		1345
3	4	Martin Hall	Services	HVAC	Cooling Generating Systems	$301,963.19	285,825,856.3892		1130
3	4	Surplus Sales Building	Services	HVAC	Cooling Generating Systems	$36,176.00	285,862,032.3879		1610
3	4	Martin Hall	Services	HVAC	Energy Supply	$301,963.19	286,163,995.5774		1130
3	4	Computing and Engineering Sciences Bldg	Services	HVAC	Distribution Systems	$2,518,850.66	288,682,846.2374		1160
3	4	Computing and Engineering Sciences Bldg	Services	HVAC	Special HVAC Systems and Equipment	$976,697.19	289,659,543.4262		1160
3	4	Woodward Field Toilets	Services	HVAC	Controls and Instrumentation	$7,606.10	289,667,149.5229		1365
3	4	Chemical Storage	Services	HVAC	Terminal and Package Units	$2,844.07	289,669,993.5948		1410
3	4	Rozell Plant	Services	HVAC	Energy Supply	$188,065.32	289,858,058.9132		1460
3	4	Surplus Sales Building	Services	HVAC	Distribution Systems	$177,262.39	290,035,321.3063		1610
3	4	Governor Martin House	Services	HVAC	Heat Generating Systems	$134,786.69	290,170,107.9948		1196
3	4	Surplus Sales Building	Services	HVAC	Energy Supply	$36,176.00	290,206,283.9935		1610
3	4	Monroe Hall	Services	HVAC	Distribution Systems	$1,259,489.34	291,465,773.3298		1118
3	4	Monroe Hall	Services	HVAC	Heat Generating Systems	$2,184,828.52	293,650,601.8504		1118
3	4	Music Building	Services	HVAC	Energy Supply	$248,804.04	293,899,405.8917		1139
3	4	Governor Martin House	Services	HVAC	Terminal and Package Units	$17,442.98	293,916,848.8746		1196
3	4	Science Building	Services	HVAC	Distribution Systems	$3,792,984.63	297,709,833.5003		1166
3	4	Chemical Storage	Services	HVAC	Cooling Generating Systems	$2,585.52	297,712,419.0202		1410
3	4	Chemical Storage	Services	HVAC	Distribution Systems	$12,669.05	297,725,088.0677		1410
3	4	Science Building	Services	HVAC	Energy Supply	$774,078.50	298,499,166.5657		1166
3	4	Chemical Storage	Services	HVAC	Energy Supply	$2,585.52	298,501,752.0856		1410
3	4	Chemical Storage	Services	HVAC	Heat Generating Systems	$21,976.92	298,523,729.0056		1410
3	4	Governor Martin House	Services	HVAC	Energy Supply	$15,857.26	298,539,586.2625		1196
3	4	Communications Center	Services	HVAC	Energy Supply	$105,824.27	298,645,410.5351		1142
3	4	PE Classroom Building	Services	HVAC	Energy Supply	$174,726.08	298,820,136.6190		1325
3	4	Hazardous Waste Transfer Facility	Services	HVAC	Controls and Instrumentation	$2,386.02	298,822,522.6390		1435
3	4	Hazardous Waste Transfer Facility	Services	HVAC	Heat Generating Systems	$33,801.95	298,856,324.5889		1435
3	4	Surbeck Services	Services	HVAC	Energy Supply	$145,906.30	299,002,230.8917		1450
3	4	Surbeck Services	Services	HVAC	Terminal and Package Units	$160,496.94	299,162,727.8275		1450
3	4	Dorothy Brewster Hall	Services	HVAC	Controls and Instrumentation	$88,357.41	299,251,085.2372		1605
3	4	Kingston Hall	Services	HVAC	Energy Supply	$271,168.87	299,522,254.1065		1190

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
3	4	Kingston Hall	Services	HVAC	Heat Generating Systems	$2,304,935.46	301,827,189.5712		1190
3	4	Radio-TV Building	Services	HVAC	Distribution Systems	$429,664.98	302,256,854.5499		1148
3	4	P.E. Activities Building	Services	HVAC	Heat Generating Systems	$3,979,034.97	306,235,889.5231		1303
3	4	Rozell Plant	Services	HVAC	Terminal and Package Units	$206,871.85	306,442,761.3769		1460
3	4	Dorothy Brewster Hall	Services	HVAC	Distribution Systems	$721,585.49	307,164,346.8640		1605
3	4	Surbeck Services	Services	HVAC	Special HVAC Systems and Equipment	$277,221.97	307,441,568.8366		1450
3	4	P.E. Activities Building	Services	HVAC	Controls and Instrumentation	$280,873.06	307,722,441.8930		1303
3	4	Martin Hall	Services	HVAC	Distribution Systems	$1,479,619.62	309,202,061.5157		1130
3	4	Rozell Plant	Services	HVAC	Distribution Systems	$921,520.06	310,123,581.5725		1460
3	4	Martin Hall	Services	HVAC	Heat Generating Systems	$2,566,687.19	312,690,268.7673		1130
3	4	Martin Hall	Services	HVAC	Terminal and Package Units	$332,159.51	313,022,428.2813		1130
3	4	Rozell Plant	Services	HVAC	Controls and Instrumentation	$112,839.19	313,135,267.4759		1460
3	4	Pavilion	Services	HVAC	Distribution Systems	$2,310,190.38	315,445,457.8550		1345
3	4	Pavilion	Services	HVAC	Energy Supply	$471,467.43	315,916,925.2811		1345
3	4	Rozell Plant	Services	HVAC	Heat Generating Systems	$1,598,555.26	317,515,480.5404		1460
3	4	Pavilion	Services	HVAC	Heat Generating Systems	$4,007,473.25	321,522,953.7940		1345
3	4	Communications Center	Services	HVAC	Heat Generating Systems	$899,506.35	322,422,460.1403		1142
3	4	Indian Education Center	Services	HVAC	Cooling Generating Systems	$18,480.82	322,440,940.9647		1193
3	4	Central Services Building	Services	HVAC	Energy Supply	$39,174.82	322,480,115.7808		1405
3	4	Indian Education Center	Services	HVAC	Heat Generating Systems	$157,087.01	322,637,202.7930		1193
3	4	Cheney Hall	Services	HVAC	Energy Supply	$162,069.04	322,799,271.8373		1163
3	4	Woodward Field Press Box	Services	HVAC	Cooling Generating Systems	$29,916.91	322,829,188.7423		1385
3	4	Childcare Facility	Services	HVAC	Terminal and Package Units	$54,368.74	322,883,557.4788		1154
3	4	Woodward Field Press Box	Services	HVAC	Energy Supply	$29,916.91	322,913,474.3838		1385
3	4	Indian Education Center	Services	HVAC	Energy Supply	$18,480.82	322,931,955.2082		1193
3	4	Jim Thorpe Fieldhouse	Services	HVAC	Heat Generating Systems	$2,071,883.50	325,003,838.7040		1335
3	4	Indian Education Center	Services	HVAC	Distribution Systems	$90,556.04	325,094,394.7430		1193
3	4	Jim Thorpe Fieldhouse	Services	HVAC	Energy Supply	$243,750.99	325,338,145.7345		1335
3	4	Indian Education Center	Services	HVAC	Controls and Instrumentation	$11,088.50	325,349,234.2295		1193
3	4	Cheney Hall	Services	HVAC	Distribution Systems	$794,138.31	326,143,372.5438		1163
3	4	Childcare Facility	Services	HVAC	Controls and Instrumentation	$29,655.67	326,173,028.2187		1154
3	4	Indian Education Center	Services	HVAC	Terminal and Package Units	$20,328.91	326,193,357.1258		1193
3	4	Turnbull Research Lab	Services	HVAC	Cooling Generating Systems	$28,755.43	326,222,112.5535		1710
3	4	Art Building	Services	HVAC	Heat Generating Systems	$1,655,149.50	327,877,262.0558		1145
3	4	Townhouse Apartments	Services	HVAC	Controls and Instrumentation	$121,463.28	327,998,725.3398		1210
3	4	Greenhouse Boneyard	Services	HVAC	Terminal and Package Units	$2,846.64	328,001,571.9793		1425
3	4	Turnbull Research Lab	Services	HVAC	Terminal and Package Units	$31,630.97	328,033,202.9503		1710
3	4	Huston Hall	Services	HVAC	Heat Generating Systems	$1,218,012.81	329,251,215.7603		1124
3	4	Woodward Field Press Box	Services	HVAC	Heat Generating Systems	$254,293.70	329,505,509.4608		1385
3	4	Greenhouse Science	Services	HVAC	Controls and Instrumentation	$1,916.58	329,507,426.0390		1420
3	4	Streeter Hall	Services	HVAC	Energy Supply	$264,336.36	329,771,762.4031		1465
3	4	Greenhouse Boneyard	Services	HVAC	Cooling Generating Systems	$2,587.85	329,774,350.2571		1425
3	4	Turnbull Research Lab	Services	HVAC	Distribution Systems	$140,901.60	329,915,251.8522		1710
3	4	Greenhouse Boneyard	Services	HVAC	Heat Generating Systems	$21,996.76	329,937,248.6121		1425
3	4	Central Services Building	Services	HVAC	Distribution Systems	$191,956.60	330,129,205.2104		1405
3	4	Huston Hall	Services	HVAC	Energy Supply	$143,295.62	330,272,500.8304		1124
3	4	Childcare Facility	Services	HVAC	Heat Generating Systems	$420,122.06	330,692,622.8920		1154
3	4	Anna Maria Apartments	Services	HVAC	Special HVAC Systems and Equipment	$895.00	330,693,517.8940		1215
3	4	Turnbull Research Lab	Services	HVAC	Energy Supply	$28,755.43	330,722,273.3217		1710
3	4	Childcare Facility	Services	HVAC	Energy Supply	$49,426.12	330,771,699.4450		1154
3	4	Hargreaves Hall	Services	HVAC	Controls and Instrumentation	$177,491.16	330,949,190.6043		1181
3	4	Greenhouse Boneyard	Services	HVAC	Special HVAC Systems and Equipment	$4,916.92	330,954,107.5269		1425
3	4	Childcare Facility	Services	HVAC	Special HVAC Systems and Equipment	$93,909.63	331,048,017.1602		1154
3	4	Central Services Building	Services	HVAC	Cooling Generating Systems	$39,174.82	331,087,191.9763		1405
3	4	Greenhouse Boneyard	Services	HVAC	Controls and Instrumentation	$1,552.71	331,088,744.6888		1425
3	4	Huston Hall	Services	HVAC	Terminal and Package Units	$157,625.18	331,246,369.8735		1124
3	4	Cheney Hall	Services	HVAC	Heat Generating Systems	$1,377,586.92	332,623,956.7957		1163
3	4	Tawanka Commons	Services	HVAC	Terminal and Package Units	$319,577.60	332,943,534.3950		1121
3	4	Williamson Hall	Services	HVAC	Energy Supply	$165,104.77	333,108,639.1642		1133
3	4	Morrison Hall	Services	HVAC	Energy Supply	$348,959.25	333,457,598.4149		1463
3	4	Cadet Hall	Services	HVAC	Cooling Generating Systems	$55,888.43	333,513,486.8417		1157
3	4	Central Services Building	Services	HVAC	Heat Generating Systems	$332,985.95	333,846,472.7898		1405
3	4	Williamson Hall	Services	HVAC	Heat Generating Systems	$1,403,390.58	335,249,863.3745		1133
3	4	Tawanka Commons	Services	HVAC	Special HVAC Systems and Equipment	$551,997.66	335,801,861.0313		1121
3	4	University Theater	Services	HVAC	Energy Supply	$189,208.29	335,991,069.3184		1151
3	4	Woodward Field Concessions	Services	HVAC	Controls and Instrumentation	$4,792.43	335,995,861.7530		1370
3	4	Townhouse Apartments	Services	HVAC	Heat Generating Systems	$1,720,729.86	337,716,591.6132		1210
3	4	Central Services Building	Services	HVAC	Terminal and Package Units	$43,092.30	337,759,683.9117		1405
3	4	Louise Anderson Hall	Services	HVAC	Energy Supply	$236,152.58	337,995,836.4939		1475
3	4	Greenhouse Science	Services	HVAC	Heat Generating Systems	$27,151.52	338,022,988.0188		1420
3	4	Woodward Field Concessions	Services	HVAC	Energy Supply	$7,987.39	338,030,975.4095		1370
3	5	Communications Center	Services	Plumbing	Domestic Water Distribution	$285,725.55	338,316,700.9592		1142
3	5	Surplus Sales Building	Services	Plumbing	Sanitary Waste	$61,499.20	338,378,200.1618		1610
3	5	PE Classroom Building	Services	Plumbing	Rain Water Drainage	$87,363.04	338,465,563.2038		1325
3	5	Dorothy Brewster Hall	Services	Plumbing	Sanitary Waste	$250,346.01	338,715,909.2093		1605
3	5	Dorothy Brewster Hall	Services	Plumbing	Domestic Water Distribution	$397,608.35	339,113,517.5596		1605
3	5	Radio-TV Building	Services	Plumbing	Plumbing Fixtures	$236,754.18	339,350,271.7439		1148
3	5	Communications Center	Services	Plumbing	Rain Water Drainage	$52,912.14	339,403,183.8802		1142
3	5	Cadet Hall	Services	Plumbing	Sanitary Waste	$95,010.33	339,498,194.2130		1157
3	5	PE Classroom Building	Services	Plumbing	Plumbing Fixtures	$471,760.45	339,969,954.6623		1325
3	5	Turnbull Research Lab	Services	Plumbing	Sanitary Waste	$48,884.23	340,018,838.8931		1710
3	5	Science Building	Services	Plumbing	Plumbing Fixtures	$2,090,012.05	342,108,850.9386		1166
3	5	Governor Martin House	Services	Plumbing	Plumbing Fixtures	$42,814.60	342,151,665.5344		1196
3	5	Williamson Hall	Services	Plumbing	Plumbing Fixtures	$445,782.90	342,597,448.4329		1133
3	5	Kingston Hall	Services	Plumbing	Domestic Water Distribution	$732,155.98	343,329,604.4153		1190
3	5	Governor Martin House	Services	Plumbing	Domestic Water Distribution	$42,814.60	343,372,419.0111		1196

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
3	5	Cadet Hall	Services	Plumbing	Domestic Water Distribution	$150,898.76	343,523,317.7707		1157
3	5	Greenhouse Boneyard	Services	Plumbing	Sanitary Waste	$4,399.35	343,527,717.1229		1425
3	5	Huston Hall	Services	Plumbing	Sanitary Waste	$243,602.57	343,771,319.6956		1124
3	5	Cheney Hall	Services	Plumbing	Special Plumbing Systems	$226,896.67	343,998,216.3698		1163
3	5	Radio-TV Building	Services	Plumbing	Rain Water Drainage	$43,843.37	344,042,059.7351		1148
3	5	Jim Thorpe Fieldhouse	Services	Plumbing	Sanitary Waste	$414,376.72	344,456,436.4524		1335
3	5	Science Building	Services	Plumbing	Rain Water Drainage	$387,039.25	344,843,475.7014		1166
3	5	PE Classroom Building	Services	Plumbing	Domestic Water Distribution	$471,760.45	345,315,236.1507		1325
3	5	Huston Hall	Services	Plumbing	Plumbing Fixtures	$386,898.19	345,702,134.3434		1124
3	5	Martin Hall	Services	Plumbing	Domestic Water Distribution	$815,300.65	346,517,434.9943		1130
3	5	Martin Hall	Services	Plumbing	Plumbing Fixtures	$815,300.65	347,332,735.6452		1130
3	5	Huston Hall	Services	Plumbing	Rain Water Drainage	$71,647.81	347,404,383.4552		1124
3	5	PE Classroom Building	Services	Plumbing	Sanitary Waste	$297,034.37	347,701,417.8206		1325
3	5	Martin Hall	Services	Plumbing	Sanitary Waste	$513,337.46	348,214,755.2821		1130
3	5	P.E. Activities Building	Services	Plumbing	Domestic Water Distribution	$1,263,928.78	349,478,684.0578		1303
3	5	Huston Hall	Services	Plumbing	Domestic Water Distribution	$386,898.19	349,865,582.2505		1124
3	5	Surbeck Services	Services	Plumbing	Plumbing Fixtures	$393,947.04	350,259,529.2871		1450
3	5	Surplus Sales Building	Services	Plumbing	Domestic Water Distribution	$97,675.20	350,357,204.4884		1610
3	5	Martin Hall	Services	Plumbing	Rain Water Drainage	$150,981.59	350,508,186.0831		1130
3	5	Cadet Hall	Services	Plumbing	Rain Water Drainage	$27,944.21	350,536,130.2965		1157
3	5	Communications Center	Services	Plumbing	Sanitary Waste	$179,901.28	350,716,031.5736		1142
3	5	P.E. Activities Building	Services	Plumbing	Rain Water Drainage	$234,060.87	350,950,092.4467		1303
3	5	Music Building	Services	Plumbing	Rain Water Drainage	$124,402.02	351,074,494.4674		1139
3	5	Kingston Hall	Services	Plumbing	Rain Water Drainage	$135,584.43	351,210,078.9020		1190
3	5	Science Building	Services	Plumbing	Domestic Water Distribution	$2,090,012.05	353,300,090.9475		1166
3	5	Turnbull Research Lab	Services	Plumbing	Domestic Water Distribution	$77,639.66	353,377,730.6060		1710
3	5	Surplus Sales Building	Services	Plumbing	Rain Water Drainage	$18,088.00	353,395,818.6054		1610
3	5	Music Building	Services	Plumbing	Domestic Water Distribution	$671,770.94	354,067,589.5494		1139
3	5	Cheney Hall	Services	Plumbing	Domestic Water Distribution	$437,586.44	354,505,175.9903		1163
3	5	Governor Martin House	Services	Plumbing	Sanitary Waste	$26,957.34	354,532,133.3292		1196
3	5	Dorothy Brewster Hall	Services	Plumbing	Plumbing Fixtures	$397,608.35	354,929,741.6795		1605
3	5	Williamson Hall	Services	Plumbing	Sanitary Waste	$280,678.13	355,210,419.8087		1133
3	5	Dorothy Brewster Hall	Services	Plumbing	Rain Water Drainage	$73,631.17	355,284,050.9811		1605
3	5	Music Building	Services	Plumbing	Sanitary Waste	$422,966.90	355,707,017.8838		1139
3	5	Williamson Hall	Services	Plumbing	Domestic Water Distribution	$445,782.90	356,152,800.7823		1133
3	5	Surplus Sales Building	Services	Plumbing	Plumbing Fixtures	$97,675.20	356,250,475.9836		1610
3	5	Williamson Hall	Services	Plumbing	Rain Water Drainage	$82,552.38	356,333,028.3682		1133
3	5	Aquatics Building	Services	Plumbing	Domestic Water Distribution	$285,982.76	356,619,011.1233		1340
3	5	Aquatics Building	Services	Plumbing	Rain Water Drainage	$52,959.77	356,671,970.8902		1340
3	5	Art Building	Services	Plumbing	Special Plumbing Systems	$272,612.86	356,944,583.7549		1145
3	5	John F Kennedy Library	Services	Plumbing	Plumbing Fixtures	$1,890,461.42	358,835,045.1771		1169
3	5	Isle Hall	Services	Plumbing	Special Plumbing Systems	$263,618.71	359,098,663.8834		1178
3	5	Pavilion	Services	Plumbing	Rain Water Drainage	$235,733.71	359,334,397.5965		1345
3	5	University Theater	Services	Plumbing	Rain Water Drainage	$94,604.14	359,429,001.7401		1151
3	5	University Theater	Services	Plumbing	Domestic Water Distribution	$510,862.40	359,939,864.1401		1151
3	5	Cheney Hall	Services	Plumbing	Sanitary Waste	$275,517.40	360,215,381.5366		1163
3	5	John F Kennedy Library	Services	Plumbing	Special Plumbing Systems	$980,239.26	361,195,620.7974		1169
3	5	Indian Education Center	Services	Plumbing	Domestic Water Distribution	$49,898.23	361,245,519.0256		1193
3	5	Cheney Hall	Services	Plumbing	Rain Water Drainage	$81,034.52	361,326,553.5478		1163
3	5	Central Services Building	Services	Plumbing	Domestic Water Distribution	$105,772.01	361,432,325.5565		1405
3	5	Central Services Building	Services	Plumbing	Plumbing Fixtures	$105,772.01	361,538,097.5652		1405
3	5	President's House	Services	Plumbing	Domestic Water Distribution	$38,004.84	361,576,102.4012		1184
3	5	Art Building	Services	Plumbing	Domestic Water Distribution	$525,753.38	362,101,855.7806		1145
3	5	Kingston Hall	Services	Plumbing	Sanitary Waste	$460,987.11	362,562,842.8937		1190
3	5	Art Building	Services	Plumbing	Sanitary Waste	$331,029.92	362,893,872.8087		1145
3	5	Rozell Plant	Services	Plumbing	Sanitary Waste	$319,711.07	363,213,583.8746		1460
3	5	Central Services Building	Services	Plumbing	Sanitary Waste	$66,597.19	363,280,181.0671		1405
3	5	Art Building	Services	Plumbing	Rain Water Drainage	$97,361.73	363,377,542.7993		1145
3	5	University Theater	Services	Plumbing	Sanitary Waste	$321,654.11	363,699,196.9121		1151
3	5	Isle Hall	Services	Plumbing	Rain Water Drainage	$94,149.53	363,793,346.4451		1178
3	5	Rozell Plant	Services	Plumbing	Special Plumbing Systems	$263,291.46	364,056,637.9049		1460
3	5	Surbeck Services	Services	Plumbing	Domestic Water Distribution	$393,947.04	364,450,584.9415		1450
3	5	Red Barn	Services	Plumbing	Domestic Water Distribution	$117,875.47	364,568,460.4158		1205
3	5	Tawanka Commons	Services	Plumbing	Rain Water Drainage	$145,262.54	364,713,722.9585		1121
3	5	University Theater	Services	Plumbing	Plumbing Fixtures	$510,862.40	365,224,585.3585		1151
3	5	Central Services Building	Services	Plumbing	Rain Water Drainage	$19,587.41	365,244,172.7666		1405
3	5	Tawanka Commons	Services	Plumbing	Sanitary Waste	$493,892.68	365,738,065.4496		1121
3	5	Greenhouse Boneyard	Services	Plumbing	Domestic Water Distribution	$6,987.21	365,745,052.6558		1425
3	5	Surbeck Services	Services	Plumbing	Rain Water Drainage	$72,953.15	365,818,005.8072		1450
3	5	President's House	Services	Plumbing	Sanitary Waste	$23,928.97	365,841,934.7787		1184
3	5	Tawanka Commons	Services	Plumbing	Plumbing Fixtures	$784,417.77	366,626,352.5470		1121
3	5	John F Kennedy Library	Services	Plumbing	Sanitary Waste	$1,190,290.56	367,816,643.1059		1169
3	5	John F Kennedy Library	Services	Plumbing	Domestic Water Distribution	$1,890,461.42	369,707,104.5281		1169
3	5	Jim Thorpe Fieldhouse	Services	Plumbing	Domestic Water Distribution	$658,127.71	370,365,232.2369		1335
3	5	Tawanka Commons	Services	Plumbing	Domestic Water Distribution	$784,417.77	371,149,650.0052		1121
3	5	Rozell Plant	Services	Plumbing	Rain Water Drainage	$94,032.66	371,243,682.6644		1460
3	5	Surbeck Services	Services	Plumbing	Sanitary Waste	$248,040.73	371,491,723.3982		1450
3	5	John F Kennedy Library	Services	Plumbing	Rain Water Drainage	$350,085.43	371,841,808.8299		1169
3	5	Red Barn	Services	Plumbing	Plumbing Fixtures	$117,875.47	371,959,684.3042		1205
3	6	Biology Storage	Shell	Roofing	Projections	$1,329.35	371,961,013.6582		1490
3	6	Showalter Hall	Shell	Roofing	Projections	$147,885.94	372,108,899.5934		1103
3	6	Dressler Hall	Shell	Roofing	Roof Opening	$252,662.22	372,361,561.8169		1171
3	6	Isle Hall	Shell	Roofing	Projections	$75,319.63	372,436,881.4485		1178
3	6	Showalter Hall	Shell	Roofing	Roof Opening	$369,714.81	372,806,596.2606		1103
3	6	Dressler Hall	Shell	Roofing	Projections	$101,064.90	372,907,661.1570		1171
3	6	Biology Storage	Shell	Roofing	Roof Coverings	$5,317.42	372,912,978.5732		1490

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
3	6	Cheney Hall	Shell	Roofing	Roof Opening	$162,069.04	373,075,047.6175		1163
3	6	Pearce Hall	Shell	Roofing	Roof Coverings	$488,958.57	373,564,006.1891		1170
3	6	University Recreational Center	Shell	Roofing	Roof Coverings	$789,951.63	374,353,957.8167		1470
3	6	Townhouse Apartments	Shell	Roofing	Projections	$80,975.53	374,434,933.3425		1210
3	6	Tawanka Commons	Shell	Roofing	Roof Opening	$290,525.09	374,725,458.4279		1121
3	6	John F Kennedy Library	Shell	Roofing	Roof Coverings	$1,120,273.46	375,845,731.8874		1169
3	6	Cheney Hall	Shell	Roofing	Roof Coverings	$259,310.49	376,105,042.3765		1163
3	6	Dorothy Brewster Hall	Shell	Roofing	Roof Coverings	$235,619.77	376,340,662.1447		1605
3	6	Pavilion	Shell	Roofing	Roof Opening	$471,467.43	376,812,129.5708		1345
3	6	Governor Martin House	Shell	Roofing	Roof Opening	$15,857.26	376,827,986.8277		1196
3	6	John F Kennedy Library	Shell	Roofing	Roof Opening	$700,170.86	377,528,157.6910		1169
3	6	Pavilion	Shell	Roofing	Roof Coverings	$754,347.93	378,282,505.6255		1345
3	6	Dryden Hall	Shell	Roofing	Roof Coverings	$288,316.83	378,570,822.4507		1480
3	6	Governor Martin House	Shell	Roofing	Roof Coverings	$25,371.61	378,596,194.0636		1196
3	6	Townhouse Apartments	Shell	Roofing	Roof Coverings	$323,902.10	378,920,096.1669		1210
3	6	Huston Hall	Shell	Roofing	Roof Coverings	$229,273.01	379,149,369.1749		1124
3	6	Showalter Hall	Shell	Roofing	Roof Coverings	$591,543.74	379,740,912.9156		1103
3	6	Jim Thorpe Fieldhouse	Shell	Roofing	Roof Opening	$243,750.99	379,984,663.9071		1335
3	6	Jim Thorpe Fieldhouse	Shell	Roofing	Roof Coverings	$390,001.61	380,374,665.5207		1335
3	6	Dressler Hall	Shell	Roofing	Roof Coverings	$404,259.59	380,778,925.1065		1171
3	6	University Recreation Center	Shell	Roofing	Roof Coverings	$196,650.01	380,975,575.1134		1470
3	6	Huston Hall	Shell	Roofing	Projections	$57,318.25	381,032,893.3654		1124
3	7	Huston Hall	Shell	Exterior Closure	Exterior Windows	$372,568.63	381,405,461.9934		1124
3	7	Pavilion	Shell	Exterior Closure	Exterior Doors	$282,880.46	381,688,342.4578		1345
3	7	Pavilion	Shell	Exterior Closure	Exterior Walls	$2,734,511.05	384,422,853.5116		1345
3	7	Monroe Hall	Shell	Exterior Closure	Exterior Walls	$1,490,824.11	385,913,677.6200		1118
3	7	Red Barn	Shell	Exterior Closure	Exterior Walls	$253,213.97	386,166,891.5880		1205
3	7	Science Building	Shell	Exterior Closure	Exterior Windows	$2,012,604.18	388,179,495.7693		1166
3	7	Music Building	Shell	Exterior Closure	Exterior Doors	$149,282.43	388,328,778.1987		1139
3	7	Huston Hall	Shell	Exterior Closure	Exterior Doors	$85,977.37	388,414,755.5734		1124
3	7	P.E. Activities Building	Shell	Exterior Closure	Exterior Windows	$1,217,116.59	389,631,872.1657		1303
3	7	Biology Storage	Shell	Exterior Closure	Exterior Doors	$1,994.03	389,633,866.1967		1490
3	7	Cheney Hall	Shell	Exterior Closure	Exterior Doors	$97,241.43	389,731,107.6263		1163
3	7	Biology Storage	Shell	Exterior Closure	Exterior Walls	$19,275.63	389,750,383.2585		1490
3	7	Music Building	Shell	Exterior Closure	Exterior Walls	$1,443,063.43	391,193,446.6889		1139
3	7	P.E. Activities Building	Shell	Exterior Closure	Exterior Walls	$2,715,106.11	393,908,552.7992		1303
3	7	P.E. Activities Building	Shell	Exterior Closure	Exterior Doors	$280,873.06	394,189,425.8556		1303
3	7	Biology Storage	Shell	Exterior Closure	Exterior Windows	$8,640.80	394,198,066.6567		1490
3	7	Morrison Hall	Shell	Exterior Closure	Exterior Doors	$209,375.56	394,407,442.2136		1463
3	7	Music Building	Shell	Exterior Closure	Exterior Windows	$646,890.54	395,054,332.7488		1139
3	7	Woodward Field Concessions	Shell	Exterior Closure	Exterior Doors	$4,792.43	395,059,125.1834		1370
3	7	Greenhouse Boneyard	Shell	Exterior Closure	Exterior Doors	$1,552.71	395,060,677.8959		1425
3	7	Anna Maria Apartments	Shell	Exterior Closure	Exterior Windows	$1,224.74	395,061,902.6355		1215
3	7	Kingston Hall	Shell	Exterior Closure	Exterior Windows	$705,039.09	395,766,941.7259		1190
3	7	Jim Thorpe Fieldhouse	Shell	Exterior Closure	Exterior Windows	$633,752.61	396,400,694.3310		1335
3	7	Cadet Hall	Shell	Exterior Closure	Exterior Doors	$33,533.06	396,434,227.3881		1157
3	7	Kingston Hall	Shell	Exterior Closure	Exterior Walls	$1,572,779.43	398,007,006.8199		1190
3	7	Dryden Hall	Shell	Exterior Closure	Exterior Walls	$1,045,148.41	399,052,155.2317		1480
3	7	Kingston Hall	Shell	Exterior Closure	Exterior Doors	$162,701.33	399,214,856.5583		1190
3	7	President's House	Shell	Exterior Closure	Exterior Doors	$8,445.52	399,223,302.0773		1184
3	7	Anna Maria Apartments	Shell	Exterior Closure	Exterior Doors	$282.63	399,223,584.7095		1215
3	7	Jim Thorpe Fieldhouse	Shell	Exterior Closure	Exterior Doors	$146,250.60	399,369,835.3089		1335
3	7	Biology Boat Garage	Shell	Exterior Closure	Exterior Walls	$63,596.69	399,433,432.0018		1485
3	7	Communications Center	Shell	Exterior Closure	Exterior Doors	$63,494.57	399,496,926.5673		1142
3	7	Louise Anderson Hall	Shell	Exterior Closure	Exterior Doors	$141,691.55	399,638,618.1210		1475
3	7	Cadet Hall	Shell	Exterior Closure	Exterior Walls	$324,152.87	399,962,770.9944		1157
3	7	President's Garage	Shell	Exterior Closure	Exterior Doors	$1,265.43	399,964,036.4286		1185
3	7	Communications Center	Shell	Exterior Closure	Exterior Walls	$613,780.78	400,577,817.2055		1142
3	7	President's Garage	Shell	Exterior Closure	Exterior Walls	$12,232.53	400,590,049.7356		1185
3	7	Art Building	Shell	Exterior Closure	Exterior Windows	$506,281.03	401,096,330.7649		1145
3	7	University Theater	Shell	Exterior Closure	Exterior Windows	$491,941.57	401,588,272.3326		1151
3	7	Townhouse Apartments	Shell	Exterior Closure	Exterior Windows	$526,340.90	402,114,613.2363		1210
3	7	Central Services Building	Shell	Exterior Closure	Exterior Windows	$101,854.53	402,216,467.7626		1405
3	7	Central Services Building	Shell	Exterior Closure	Exterior Doors	$23,504.89	402,239,972.6530		1405
3	7	Isle Hall	Shell	Exterior Closure	Exterior Doors	$112,979.44	402,352,952.0961		1178
3	7	Dressler Hall	Shell	Exterior Closure	Exterior Doors	$151,597.34	402,504,549.4349		1171
3	7	Art Building	Shell	Exterior Closure	Exterior Doors	$116,834.08	402,621,383.5172		1145
3	7	Central Services Building	Shell	Exterior Closure	Exterior Walls	$227,213.93	402,848,597.4493		1405
3	7	President's House	Shell	Exterior Closure	Exterior Walls	$81,640.01	402,930,237.4629		1184
3	7	Sutton Hall	Shell	Exterior Closure	Exterior Walls	$793,043.25	403,723,280.7101		1112
3	7	Communications Center	Shell	Exterior Closure	Exterior Windows	$275,143.12	403,998,423.8306		1142
3	7	University Theater	Shell	Exterior Closure	Exterior Doors	$113,524.98	404,111,948.8064		1151
3	7	Aquatics Building	Shell	Exterior Closure	Exterior Doors	$63,551.72	404,175,500.5287		1340
3	7	Aquatics Building	Shell	Exterior Closure	Exterior Walls	$614,333.29	404,789,833.8208		1340
3	7	University Theater	Shell	Exterior Closure	Exterior Walls	$1,097,408.06	405,887,241.8792		1151
3	7	Surbeck Services	Shell	Exterior Closure	Exterior Doors	$87,543.78	405,974,785.6636		1450
3	7	Surbeck Services	Shell	Exterior Closure	Exterior Walls	$846,256.55	406,821,042.2144		1450
3	7	Grounds Covered Storage	Shell	Exterior Closure	Exterior Doors	$5,242.86	406,826,285.0744		1415
3	7	Aquatics Building	Shell	Exterior Closure	Exterior Windows	$275,390.80	407,101,675.8741		1340
3	7	Radio-TV Building	Shell	Exterior Closure	Exterior Walls	$508,583.03	407,610,258.9088		1148
3	7	Williamson Hall	Shell	Exterior Closure	Exterior Windows	$429,272.42	408,039,531.3273		1133
3	7	PE Classroom Building	Shell	Exterior Closure	Exterior Doors	$104,835.65	408,144,366.9809		1325
3	7	Williamson Hall	Shell	Exterior Closure	Exterior Doors	$99,062.86	408,243,429.8455		1133
3	7	Showalter Hall	Shell	Exterior Closure	Exterior Walls	$2,144,345.90	410,387,775.7419		1103
3	7	Martin Hall	Shell	Exterior Closure	Exterior Doors	$181,177.92	410,568,953.6612		1130
3	7	Radio-TV Building	Shell	Exterior Closure	Exterior Windows	$227,985.51	410,796,939.1708		1148

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
3	7	Cadet Hall	Shell	Exterior Closure	Exterior Windows	$145,309.92	410,942,249.0867		1157
3	7	PE Classroom Building	Shell	Exterior Closure	Exterior Windows	$454,287.84	411,396,536.9244		1325
3	7	Martin Hall	Shell	Exterior Closure	Exterior Windows	$785,104.33	412,181,641.2507		1130
3	7	Dryden Hall	Shell	Exterior Closure	Exterior Doors	$108,118.81	412,289,760.0560		1480
3	7	Martin Hall	Shell	Exterior Closure	Exterior Walls	$1,751,386.49	414,041,146.5436		1130
3	7	Radio-TV Building	Shell	Exterior Closure	Exterior Doors	$52,612.04	414,093,758.5836		1148
3	7	Biology Boat Garage	Shell	Exterior Closure	Exterior Doors	$6,578.97	414,100,337.5521		1485
3	7	Art Building	Shell	Exterior Closure	Exterior Walls	$1,129,396.09	415,229,733.6387		1145
3	7	Williamson Hall	Shell	Exterior Closure	Exterior Walls	$957,607.66	416,187,341.2941		1133
3	7	President's Garage	Shell	Exterior Closure	Exterior Windows	$5,483.55	416,192,824.8423		1185
3	7	One Room School House	Shell	Exterior Closure	Exterior Walls	$30,983.83	416,223,808.6730		1127
3	8	Surplus Sales Building	Shell	Superstructure	Roof Construction	$173,644.80	416,397,453.4723		1610
3	8	Senior Hall	Shell	Superstructure	Floor Construction	$1,979,526.67	418,376,980.1422		1187
3	8	Biology Storage	Shell	Superstructure	Floor Construction	$23,928.37	418,400,908.5129		1490
3	8	Childcare Facility	Shell	Superstructure	Floor Construction	$355,868.08	418,756,776.5931		1154
3	8	Surplus Sales Building	Shell	Superstructure	Floor Construction	$260,467.19	419,017,243.7786		1610
3	8	Cadet Hall	Shell	Superstructure	Floor Construction	$402,396.66	419,419,640.4432		1157
3	8	Woodward Field Concessions	Shell	Superstructure	Roof Construction	$38,339.48	419,457,979.9199		1370
3	8	Isle Hall	Shell	Superstructure	Roof Construction	$903,835.54	420,361,815.4644		1178
3	8	Morrison Hall	Shell	Superstructure	Floor Construction	$2,512,506.55	422,874,322.0176		1463
3	8	Morrison Hall	Shell	Superstructure	Roof Construction	$1,675,004.46	424,549,326.4731		1463
3	8	Red Barn	Shell	Superstructure	Roof Construction	$209,556.40	424,758,882.8683		1205
3	8	Louise Anderson Hall	Shell	Superstructure	Floor Construction	$1,700,298.56	426,459,181.4249		1475
3	8	Townhouse Apartments	Shell	Superstructure	Roof Construction	$971,706.27	427,430,887.6971		1210
3	8	Streeter Hall	Shell	Superstructure	Floor Construction	$1,903,221.78	429,334,109.4796		1465
3	8	Greenhouse Boneyard	Shell	Superstructure	Roof Construction	$12,421.70	429,346,531.1793		1425
3	8	Cadet Hall	Shell	Superstructure	Roof Construction	$268,264.46	429,614,795.6363		1157
3	8	Red Barn	Shell	Superstructure	Floor Construction	$314,334.58	429,929,130.2128		1205
3	8	President's Garage	Shell	Superstructure	Roof Construction	$10,123.47	429,939,253.6864		1185
3	8	President's Garage	Shell	Superstructure	Floor Construction	$15,185.21	429,954,438.8960		1185
3	8	Streeter Hall	Shell	Superstructure	Roof Construction	$1,268,814.59	431,223,253.4833		1465
3	8	President's House	Shell	Superstructure	Roof Construction	$67,564.15	431,290,817.6350		1184
3	8	Anna Maria Apartments	Shell	Superstructure	Floor Construction	$3,391.59	431,294,209.2214		1215
3	8	Martin Hall	Shell	Superstructure	Floor Construction	$2,174,134.92	433,468,344.1405		1130
3	8	Williamson Hall	Shell	Superstructure	Floor Construction	$1,188,754.31	434,657,098.4544		1133
3	8	Showalter Hall	Shell	Superstructure	Roof Construction	$1,774,631.15	436,431,729.6076		1103
3	8	Huston Hall	Shell	Superstructure	Roof Construction	$687,819.00	437,119,548.6049		1124
3	8	Huston Hall	Shell	Superstructure	Floor Construction	$1,031,728.44	438,151,277.0475		1124
3	8	One Room School House	Shell	Superstructure	Floor Construction	$38,462.69	438,189,739.7334		1127
3	8	Biology Storage	Shell	Superstructure	Roof Construction	$15,952.25	438,205,691.9813		1490
3	8	Showalter Hall	Shell	Superstructure	Floor Construction	$2,661,946.59	440,867,638.5733		1103
3	8	President's House	Shell	Superstructure	Floor Construction	$101,346.22	440,968,984.7957		1184
3	9	Anna Maria Apartments	Interiors	Staircases	Stair Finishes	$141.32	440,969,126.1118		1215
3	9	Radio-TV Building	Interiors	Staircases	Stair Finishes	$26,306.02	440,995,432.1318		1148
3	9	Anna Maria Apartments	Interiors	Staircases	Stair Construction	$800.79	440,996,232.9231		1215
3	9	Williamson Hall	Interiors	Staircases	Stair Construction	$280,678.13	441,276,911.0523		1133
3	9	Townhouse Apartments	Interiors	Staircases	Stair Finishes	$60,731.64	441,337,642.6943		1210
3	9	Tawanka Commons	Interiors	Staircases	Stair Construction	$493,892.68	441,831,535.3773		1121
3	9	Tawanka Commons	Interiors	Staircases	Stair Finishes	$87,157.53	441,918,692.9056		1121
3	9	Townhouse Apartments	Interiors	Staircases	Stair Construction	$344,145.99	442,262,838.8927		1210
3	9	Indian Education Center	Interiors	Staircases	Stair Construction	$31,417.40	442,294,256.2965		1193
3	9	University Theater	Interiors	Staircases	Stair Finishes	$56,762.49	442,351,018.7844		1151
3	9	Isle Hall	Interiors	Staircases	Stair Construction	$320,108.44	442,671,127.2210		1178
3	9	Communications Center	Interiors	Staircases	Stair Finishes	$31,747.28	442,702,874.5038		1142
3	9	Showalter Hall	Interiors	Staircases	Stair Construction	$628,515.23	443,331,389.7326		1103
3	9	Williamson Hall	Interiors	Staircases	Stair Finishes	$49,531.43	443,380,921.1649		1133
3	9	Martin Hall	Interiors	Staircases	Stair Finishes	$90,588.96	443,471,510.1246		1130
3	9	Isle Hall	Interiors	Staircases	Stair Finishes	$56,489.72	443,527,999.8461		1178
3	9	Martin Hall	Interiors	Staircases	Stair Construction	$513,337.46	444,041,337.3076		1130
3	9	Music Building	Interiors	Staircases	Stair Finishes	$74,641.21	444,115,978.5223		1139
3	9	Cadet Hall	Interiors	Staircases	Stair Finishes	$16,766.53	444,132,745.0509		1157
3	9	Art Building	Interiors	Staircases	Stair Finishes	$58,417.04	444,191,162.0920		1145
3	9	Cadet Hall	Interiors	Staircases	Stair Construction	$95,010.33	444,286,172.4248		1157
3	10	Cheney Hall	Interiors	Interior Construction	Specialties	$243,103.57	444,529,275.9913		1163
3	10	Streeter Hall	Interiors	Interior Construction	Specialties	$396,504.55	444,925,780.5375		1465
3	10	Streeter Hall	Interiors	Interior Construction	Interior Doors	$607,973.65	445,533,754.1898		1465
3	10	University Theater	Interiors	Interior Construction	Interior Doors	$435,179.07	445,968,933.2608		1151
3	10	Communications Center	Interiors	Interior Construction	Interior Doors	$243,395.83	446,212,329.0936		1142
3	10	Showalter Hall	Interiors	Interior Construction	Interior Doors	$850,344.09	447,062,673.1821		1103
3	10	Sutton Hall	Interiors	Interior Construction	Specialties	$205,097.39	447,267,770.5749		1112
3	10	Surplus Sales Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$188,115.20	447,455,885.7764		1610
3	10	President's Garage	Interiors	Interior Construction	Interior Doors	$4,850.83	447,460,736.6074		1185
3	10	Pearce Hall	Interiors	Interior Construction	Interior Doors	$702,877.91	448,163,614.5220		1170
3	10	Cheney Hall	Interiors	Interior Construction	Interior Doors	$372,758.81	448,536,373.3330		1163
3	10	Cadet Hall	Interiors	Interior Construction	Specialties	$83,832.64	448,620,205.9732		1157
3	10	Surbeck Services	Interiors	Interior Construction	Interior Doors	$335,584.50	448,955,790.4778		1450
3	10	Morrison Hall	Interiors	Interior Construction	Interior Doors	$802,606.30	449,758,396.7740		1463
3	10	Anna Maria Apartments	Interiors	Interior Construction	Interior Doors	$1,083.42	449,759,480.1975		1215
3	10	Anna Maria Apartments	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,449.48	449,761,929.6767		1215
3	10	Aquatics Building	Interiors	Interior Construction	Specialties	$158,879.30	449,920,808.9774		1340
3	10	Art Building	Interiors	Interior Construction	Interior Doors	$447,863.98	450,368,672.9565		1145
3	10	Dorothy Brewster Hall	Interiors	Interior Construction	Specialties	$220,893.52	450,589,566.4738		1605
3	10	Jim Thorpe Fieldhouse	Interiors	Interior Construction	Interior Doors	$560,627.29	451,150,193.7679		1335
3	10	Central Services Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$203,709.05	451,353,902.8205		1405
3	10	Dryden Hall	Interiors	Interior Construction	Interior Doors	$414,455.42	451,768,358.2379		1480
3	10	Surbeck Services	Interiors	Interior Construction	Specialties	$218,859.45	451,987,217.6921		1450

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
3	10	John F Kennedy Library	Interiors	Interior Construction	Specialties	$1,050,256.30	453,037,473.9871		1169
3	10	Dressler Hall	Interiors	Interior Construction	Interior Doors	$581,123.13	453,618,597.1152		1171
3	10	Art Building	Interiors	Interior Construction	Specialties	$292,085.20	453,910,682.3119		1145
3	10	Dressler Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,313,843.62	455,224,525.9304		1171
3	10	Townhouse Apartments	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,052,681.81	456,277,207.7379		1210
3	10	Radio-TV Building	Interiors	Interior Construction	Interior Doors	$201,679.49	456,478,887.2234		1148
3	10	Huston Hall	Interiors	Interior Construction	Specialties	$214,943.43	456,693,830.6534		1124
3	10	Cheney Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$842,759.07	457,536,589.7202		1163
3	10	P.E. Activities Building	Interiors	Interior Construction	Specialties	$702,182.62	458,238,772.3394		1303
3	10	P.E. Activities Building	Interiors	Interior Construction	Interior Doors	$1,076,680.04	459,315,452.3817		1303
3	10	Cadet Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$290,619.83	459,606,072.2135		1157
3	10	Pavilion	Interiors	Interior Construction	Interior Doors	$1,084,375.11	460,690,447.3199		1345
3	10	Music Building	Interiors	Interior Construction	Interior Doors	$572,249.31	461,262,696.6288		1139
3	10	Science Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$4,025,208.36	465,287,904.9913		1166
3	10	Science Building	Interiors	Interior Construction	Interior Doors	$1,780,380.59	467,068,285.5799		1166
3	10	Science Building	Interiors	Interior Construction	Specialties	$1,161,117.75	468,229,403.3269		1166
3	10	Woodward Field Concessions	Interiors	Interior Construction	Interior Doors	$18,371.00	468,247,774.3260		1370
3	10	Pavilion	Interiors	Interior Construction	Specialties	$707,201.14	468,954,975.4652		1345
3	10	Isle Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$979,155.18	469,934,130.6501		1178
3	10	Williamson Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$858,544.84	470,792,675.4870		1133
3	10	Martin Hall	Interiors	Interior Construction	Interior Doors	$694,515.35	471,487,190.8396		1130
3	10	Radio-TV Building	Interiors	Interior Construction	Specialties	$131,530.10	471,618,720.9356		1148
3	10	Woodward Field Concessions	Interiors	Interior Construction	Fixed and Moveable Partitions	$41,534.43	471,660,255.3691		1370
3	10	Isle Hall	Interiors	Interior Construction	Interior Doors	$433,087.86	472,093,343.2313		1178
3	10	Huston Hall	Interiors	Interior Construction	Interior Doors	$329,579.93	472,422,923.1653		1124
3	10	Cadet Hall	Interiors	Interior Construction	Interior Doors	$128,543.38	472,551,466.5501		1157
3	10	Showalter Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,922,517.11	474,473,983.6556		1103
3	10	PE Classroom Building	Interiors	Interior Construction	Interior Doors	$401,870.00	474,875,853.6583		1325
3	10	Huston Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$745,137.26	475,620,990.9143		1124
3	10	Martin Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,570,208.65	477,191,199.5670		1130
3	10	University Theater	Interiors	Interior Construction	Specialties	$283,812.43	477,475,011.9977		1151
3	11	Isle Hall	Interiors	Interior Finishes	Ceiling Finishes	$414,257.95	477,889,269.9498		1178
3	11	Pavilion	Interiors	Interior Finishes	Wall Finishes	$1,178,668.61	479,067,938.5590		1345
3	11	Cadet Hall	Interiors	Interior Finishes	Wall Finishes	$139,721.07	479,207,659.6312		1157
3	11	Central Services Building	Interiors	Interior Finishes	Wall Finishes	$97,937.04	479,305,596.6752		1405
3	11	Art Building	Interiors	Interior Finishes	Wall Finishes	$486,808.68	479,792,405.3545		1145
3	11	Indian Education Center	Interiors	Interior Finishes	Wall Finishes	$46,202.06	479,838,607.4171		1193
3	11	Pavilion	Interiors	Interior Finishes	Ceiling Finishes	$1,037,228.36	480,875,835.7721		1345
3	11	Martin Hall	Interiors	Interior Finishes	Ceiling Finishes	$664,319.03	481,540,154.8002		1130
3	11	Cadet Hall	Interiors	Interior Finishes	Ceiling Finishes	$122,954.54	481,663,109.3412		1157
3	11	Huston Hall	Interiors	Interior Finishes	Floor Finishes	$616,171.20	482,279,280.5419		1124
3	11	Huston Hall	Interiors	Interior Finishes	Wall Finishes	$358,239.06	482,637,519.6052		1124
3	11	P.E. Activities Building	Interiors	Interior Finishes	Wall Finishes	$1,170,304.41	483,807,824.0142		1303
3	11	Music Building	Interiors	Interior Finishes	Wall Finishes	$622,010.13	484,429,834.1407		1139
3	11	Biology Storage	Interiors	Interior Finishes	Floor Finishes	$14,290.56	484,444,124.6965		1490
3	11	Cheney Hall	Interiors	Interior Finishes	Wall Finishes	$405,172.63	484,849,297.3225		1163
3	11	Cadet Hall	Interiors	Interior Finishes	Floor Finishes	$240,320.25	485,089,617.5713		1157
3	11	President's Garage	Interiors	Interior Finishes	Floor Finishes	$9,068.95	485,098,686.5166		1185
3	11	Martin Hall	Interiors	Interior Finishes	Floor Finishes	$1,298,441.79	486,397,128.3044		1130
3	11	Isle Hall	Interiors	Interior Finishes	Wall Finishes	$470,747.68	486,867,875.9868		1178
3	11	One Room School House	Interiors	Interior Finishes	Wall Finishes	$13,355.10	486,881,231.0868		1127
3	11	Pavilion	Interiors	Interior Finishes	Floor Finishes	$2,027,310.05	488,908,541.1332		1345
3	11	Biology Storage	Interiors	Interior Finishes	Ceiling Finishes	$7,311.45	488,915,852.5801		1490
3	11	President's Garage	Interiors	Interior Finishes	Ceiling Finishes	$4,639.93	488,920,492.5054		1185
3	11	Dorothy Brewster Hall	Interiors	Interior Finishes	Wall Finishes	$368,155.88	489,288,648.3813		1605
3	11	Childcare Facility	Interiors	Interior Finishes	Floor Finishes	$212,532.34	489,501,180.7234		1154
3	11	Kingston Hall	Interiors	Interior Finishes	Wall Finishes	$677,922.20	490,179,102.9219		1190
3	11	John F Kennedy Library	Interiors	Interior Finishes	Wall Finishes	$1,750,427.22	491,929,530.1454		1169
3	11	Martin Hall	Interiors	Interior Finishes	Wall Finishes	$754,908.00	492,684,438.1472		1130
3	11	Science Building	Interiors	Interior Finishes	Wall Finishes	$1,935,196.32	494,619,634.4643		1166
3	11	Communications Center	Interiors	Interior Finishes	Wall Finishes	$264,560.69	494,884,195.1555		1142
3	11	Radio-TV Building	Interiors	Interior Finishes	Wall Finishes	$219,216.83	495,103,411.9904		1148
3	11	Red Barn	Interiors	Interior Finishes	Ceiling Finishes	$96,046.68	495,199,458.6702		1205
3	11	Surplus Sales Building	Interiors	Interior Finishes	Ceiling Finishes	$79,587.20	495,279,045.8688		1610
3	11	Showalter Hall	Interiors	Interior Finishes	Wall Finishes	$924,287.06	496,203,332.9335		1103
3	11	Anna Maria Apartments	Interiors	Interior Finishes	Floor Finishes	$2,025.53	496,205,358.4644		1215
3	11	Dressler Hall	Interiors	Interior Finishes	Ceiling Finishes	$555,856.90	496,761,215.3655		1171
3	11	Williamson Hall	Interiors	Interior Finishes	Wall Finishes	$412,761.94	497,173,977.3040		1133
3	11	Red Barn	Interiors	Interior Finishes	Floor Finishes	$187,727.61	497,361,704.9128		1205
3	11	Dressler Hall	Interiors	Interior Finishes	Floor Finishes	$1,086,447.62	498,448,152.5349		1171
3	11	Pearce Hall	Interiors	Interior Finishes	Floor Finishes	$1,314,076.14	499,762,228.6782		1170
3	11	Williamson Hall	Interiors	Interior Finishes	Ceiling Finishes	$363,230.50	500,125,459.1767		1133
3	11	Anna Maria Apartments	Interiors	Interior Finishes	Ceiling Finishes	$1,036.32	500,126,495.4948		1215
3	11	Rozell Plant	Interiors	Interior Finishes	Wall Finishes	$470,163.31	500,596,658.8084		1460
3	11	Surplus Sales Building	Interiors	Interior Finishes	Floor Finishes	$155,556.80	500,752,215.6117		1610
3	11	Anna Maria Apartments	Interiors	Interior Finishes	Wall Finishes	$1,177.63	500,753,393.2459		1215
3	11	Louise Anderson Hall	Interiors	Interior Finishes	Ceiling Finishes	$519,535.69	501,272,928.9355		1475
3	11	Showalter Hall	Interiors	Interior Finishes	Floor Finishes	$1,589,773.78	502,862,702.7170		1103
3	11	Townhouse Apartments	Interiors	Interior Finishes	Ceiling Finishes	$445,365.37	503,308,068.0855		1210
3	11	Science Building	Interiors	Interior Finishes	Floor Finishes	$3,328,537.73	506,636,605.8143		1166
3	11	Townhouse Apartments	Interiors	Interior Finishes	Floor Finishes	$870,486.89	507,507,092.7051		1210
3	11	Pearce Hall	Interiors	Interior Finishes	Ceiling Finishes	$672,318.00	508,179,410.7054		1170
3	12	Central Services Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$11,752.45	508,191,163.1506		1405
3	12	Art Building	Special Construction	Special Construction	Special Controls and Instrumentation	$194,723.46	508,385,886.6151		1145
3	12	Radio-TV Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$26,306.02	508,412,192.6351		1148
3	12	Governor Martin House	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$4,757.18	508,416,949.8123		1196

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
3	12	Martin Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$90,588.96	508,507,538.7720		1130
3	12	Dressler Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$75,798.67	508,583,337.4414		1171
3	12	PE Classroom Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$52,417.83	508,635,755.2682		1325
3	12	Surplus Sales Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$10,852.80	508,646,608.0682		1610
3	12	Computing and Engineering Sciences Bldg	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$359,835.83	509,006,443.8973		1160
3	12	Music Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$74,641.21	509,081,085.1120		1139
3	12	Art Building	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$194,723.46	509,275,808.5765		1145
3	12	Art Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$58,417.04	509,334,225.6176		1145
3	12	Science Building	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$541,854.98	509,876,080.5950		1166
3	12	Morrison Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$104,687.78	509,980,768.3735		1463
3	12	Science Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$232,223.56	510,212,991.9301		1166
3	12	Dryden Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$54,059.40	510,267,051.3327		1480
3	12	Pearce Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$91,679.73	510,358,731.0613		1170
3	12	Pearce Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$213,919.37	510,572,650.4328		1170
3	12	Cadet Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$39,121.90	510,611,772.3336		1157
3	12	Cadet Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$16,766.53	510,628,538.8622		1157
3	12	P.E. Activities Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$140,436.53	510,768,975.3904		1303
3	12	Monroe Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$179,927.06	510,948,902.4487		1118
3	12	Streeter Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$79,300.91	511,028,203.3604		1465
3	12	Kingston Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$81,350.66	511,109,554.0237		1190
3	12	University Theater	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$56,762.49	511,166,316.5116		1151
3	12	University Theater	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$132,445.81	511,298,762.3197		1151
3	12	Communications Center	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$31,747.28	511,330,509.6025		1142
3	12	Communications Center	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$74,076.99	511,404,586.5972		1142
3	12	Huston Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$42,988.69	511,447,575.2845		1124
3	12	Williamson Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$49,531.43	511,497,106.7168		1133
3	12	Kingston Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$189,818.22	511,686,924.9354		1190
3	12	Williamson Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$115,573.34	511,802,498.2800		1133
3	12	Surbeck Services	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$43,771.89	511,846,270.1722		1450
3	12	Showalter Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$110,914.45	511,957,184.6193		1103
3	12	Turnbull Research Lab	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$28,755.43	511,985,940.0470		1710
3	12	Pavilion	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$330,027.22	512,315,967.2628		1345
3	12	Turnbull Research Lab	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$8,626.63	512,324,593.8914		1710
3	13	Surplus Sales Building	Substructure	Foundations	Slab on Grade	$101,292.80	512,425,886.6933		1610
3	13	Monroe Hall	Substructure	Foundations	Slab on Grade	$719,708.23	513,145,594.9265		1118
3	13	Woodward Field Concessions	Substructure	Foundations	Slab on Grade	$22,364.70	513,167,959.6217		1370
3	13	Cadet Hall	Substructure	Foundations	Slab on Grade	$156,487.60	513,324,447.2251		1157
3	13	Jim Thorpe Fieldhouse	Substructure	Foundations	Slab on Grade	$682,502.81	514,006,950.0376		1335
3	13	Morrison Hall	Substructure	Foundations	Slab on Grade	$977,085.95	514,984,035.9916		1463
3	13	Governor Martin House	Substructure	Foundations	Slab on Grade	$44,400.32	515,028,436.3134		1196
3	13	President's House	Substructure	Foundations	Standard Foundations	$59,118.63	515,087,554.9449		1184
3	13	President's Garage	Substructure	Foundations	Slab on Grade	$5,905.36	515,093,460.3046		1185
3	13	Cadet Hall	Substructure	Foundations	Standard Foundations	$234,731.39	515,328,191.6992		1157
3	13	Isle Hall	Substructure	Foundations	Standard Foundations	$790,856.08	516,119,047.7831		1178
3	13	Senior Hall	Substructure	Foundations	Standard Foundations	$1,154,723.92	517,273,771.7080		1187
3	13	Williamson Hall	Substructure	Foundations	Slab on Grade	$462,293.38	517,736,065.0865		1133
3	13	Red Barn	Substructure	Foundations	Standard Foundations	$183,361.84	517,919,426.9282		1205
3	13	Childcare Facility	Substructure	Foundations	Slab on Grade	$138,393.15	518,057,820.0807		1154
3	13	Biology Boat Garage	Substructure	Foundations	Slab on Grade	$30,701.85	518,088,521.9343		1485
3	13	Anna Maria Apartments	Substructure	Foundations	Standard Foundations	$1,978.43	518,090,500.3597		1215
3	13	Anna Maria Apartments	Substructure	Foundations	Slab on Grade	$1,318.95	518,091,819.3101		1215
3	13	Biology Storage	Substructure	Foundations	Standard Foundations	$13,958.22	518,105,777.5267		1490
3	13	Huston Hall	Substructure	Foundations	Slab on Grade	$401,227.76	518,507,005.2840		1124
3	13	Isle Hall	Substructure	Foundations	Slab on Grade	$527,237.41	519,034,242.6967		1178
3	13	Childcare Facility	Substructure	Foundations	Standard Foundations	$207,589.72	519,241,832.4163		1154
3	13	Monroe Hall	Substructure	Foundations	Standard Foundations	$1,079,562.30	520,321,394.7182		1118
3	13	Red Barn	Substructure	Foundations	Slab on Grade	$122,241.23	520,443,635.9514		1205
3	13	Dryden Hall	Substructure	Foundations	Slab on Grade	$504,554.44	520,948,190.3872		1480
3	13	Surplus Sales Building	Substructure	Foundations	Standard Foundations	$151,939.20	521,100,129.5832		1610
3	13	Biology Storage	Substructure	Foundations	Slab on Grade	$9,305.48	521,109,435.0614		1490
2	1	Art Building	Services	Fire Protection	Fire Protection Specialties	$38,944.70	521,148,379.7570		1145
2	1	Dorothy Brewster Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$206,167.29	521,354,547.0508		1605
2	1	University Recreation Center	Services	Fire Protection	Fire Protection Sprinkler Systems	$172,068.75	521,526,615.8040		1470
2	1	Tawanka Commons	Services	Fire Protection	Fire Protection Specialties	$58,105.02	521,584,720.8251		1121
2	1	Hargreaves Hall	Services	Fire Protection	Fire Protection Specialties	$59,163.72	521,643,884.5472		1181
2	1	Sutton Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$191,424.24	521,835,308.7907		1112
2	1	Streeter Hall	Services	Fire Protection	Fire Protection Specialties	$52,867.28	521,888,176.0672		1465
2	1	Townhouse Apartments	Services	Fire Protection	Fire Protection Sprinkler Systems	$283,414.34	522,171,590.4029		1210
2	1	Sutton Hall	Services	Fire Protection	Fire Protection Specialties	$27,346.32	522,198,936.7239		1112
2	1	Hargreaves Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$414,146.05	522,613,082.7715		1181
2	1	Aquatics Building	Services	Fire Protection	Fire Protection Specialties	$21,183.91	522,634,266.6797		1340
2	1	University Recreation Center	Services	Fire Protection	Fire Protection Specialties	$24,581.25	522,658,847.9306		1470
2	1	Huston Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$200,613.88	522,859,461.8093		1124
2	1	Showalter Hall	Services	Fire Protection	Fire Protection Specialties	$73,942.97	522,933,404.7769		1103
2	1	Computing and Engineering Sciences Bldg	Services	Fire Protection	Fire Protection Sprinkler Systems	$719,671.66	523,653,076.4351		1160
2	1	Senior Hall	Services	Fire Protection	Fire Protection Specialties	$54,986.86	523,708,063.2920		1187
2	1	Computing and Engineering Sciences Bldg	Services	Fire Protection	Fire Protection Specialties	$102,810.24	523,810,873.5306		1160
2	1	Dorothy Brewster Hall	Services	Fire Protection	Fire Protection Specialties	$29,452.47	523,840,326.0016		1605
2	1	Childcare Facility	Services	Fire Protection	Fire Protection Specialties	$9,885.23	523,850,211.2269		1154
2	1	Childcare Facility	Services	Fire Protection	Fire Protection Sprinkler Systems	$69,196.58	523,919,407.8032		1154
2	1	John F Kennedy Library	Services	Fire Protection	Special Fire Protection Systems	$140,034.18	524,059,441.9856		1169
2	1	Woodward Field Press Box	Services	Fire Protection	Fire Protection Sprinkler Systems	$41,883.67	524,101,325.6548		1385
2	1	John F Kennedy Library	Services	Fire Protection	Fire Protection Sprinkler Systems	$980,239.26	525,081,564.9156		1169
2	1	Huston Hall	Services	Fire Protection	Special Fire Protection Systems	$28,659.13	525,110,224.0416		1124
2	1	Showalter Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$517,600.76	525,627,824.8061		1103
2	1	Morrison Hall	Services	Fire Protection	Fire Protection Specialties	$69,791.86	525,697,616.6611		1463

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	1	Monroe Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$359,854.12	526,057,470.7777		1118
2	1	Monroe Hall	Services	Fire Protection	Special Fire Protection Systems	$51,407.73	526,108,878.5095		1118
2	1	Surbeck Services	Services	Fire Protection	Fire Protection Sprinkler Systems	$204,268.83	526,313,147.3443		1450
2	1	Jim Thorpe Fieldhouse	Services	Fire Protection	Fire Protection Specialties	$48,750.20	526,361,897.5460		1335
2	1	John F Kennedy Library	Services	Fire Protection	Fire Protection Specialties	$140,034.18	526,501,931.7284		1169
2	1	Senior Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$384,907.99	526,886,839.7205		1187
2	1	Red Barn	Services	Fire Protection	Fire Protection Specialties	$8,731.52	526,895,571.2373		1205
2	1	University Recreational Center	Services	Fire Protection	Fire Protection Sprinkler Systems	$691,207.66	527,586,778.9000		1470
2	1	University Recreational Center	Services	Fire Protection	Fire Protection Specialties	$98,743.95	527,685,522.8535		1470
2	1	Radio-TV Building	Services	Fire Protection	Fire Protection Specialties	$17,537.35	527,703,060.2009		1148
2	1	Substation	Services	Fire Protection	Fire Protection Specialties	$1,939.14	527,704,999.3410		1455
2	1	Rozell Plant	Services	Fire Protection	Fire Protection Specialties	$37,613.07	527,742,612.4073		1460
2	1	Rozell Plant	Services	Fire Protection	Fire Protection Sprinkler Systems	$263,291.46	528,005,903.8671		1460
2	1	Chemical Storage	Services	Fire Protection	Fire Protection Sprinkler Systems	$3,619.73	528,009,523.5952		1410
2	1	Surplus Sales Building	Services	Fire Protection	Fire Protection Specialties	$7,235.20	528,016,758.7955		1610
2	1	Pavilion	Services	Fire Protection	Fire Protection Specialties	$94,293.49	528,111,052.2873		1345
2	2	Tawanka Commons	Services	Vertical Transportation	Elevators and Lifts	$290,525.09	528,401,577.3727		1121
2	2	Senior Hall	Services	Vertical Transportation	Elevators and Lifts	$274,934.27	528,676,511.6381		1187
2	2	Computing and Engineering Sciences Bldg	Services	Vertical Transportation	Elevators and Lifts	$514,051.16	529,190,562.7952		1160
2	2	Monroe Hall	Services	Vertical Transportation	Elevators and Lifts	$257,038.64	529,447,601.4362		1118
2	2	Dressler Hall	Services	Vertical Transportation	Elevators and Lifts	$252,662.22	529,700,263.6597		1171
2	2	Streeter Hall	Services	Vertical Transportation	Elevators and Lifts	$264,336.36	529,964,600.0238		1465
2	2	Kingston Hall	Services	Vertical Transportation	Elevators and Lifts	$271,168.87	530,235,768.8931		1190
2	2	Morrison Hall	Services	Vertical Transportation	Elevators and Lifts	$348,959.25	530,584,728.1438		1463
2	2	Dorothy Brewster Hall	Services	Vertical Transportation	Elevators and Lifts	$147,262.34	530,731,990.4887		1605
2	3	Woodward Field Toilets	Services	Electrical	Electrical Service and Distribution	$67,187.19	530,799,177.6748		1365
2	3	Louise Anderson Hall	Services	Electrical	Communication and Security Systems	$802,918.84	531,602,096.5158		1475
2	3	Showalter Hall	Services	Electrical	Special Electrical Systems	$369,714.81	531,971,811.3279		1103
2	3	Showalter Hall	Services	Electrical	Electrical Service and Distribution	$1,959,488.52	533,931,299.8527		1103
2	3	Cheney Hall	Services	Electrical	Electrical Service and Distribution	$858,965.94	534,790,265.7968		1163
2	3	Cheney Hall	Services	Electrical	Lighting and Branch Wiring	$858,965.94	535,649,231.7409		1163
2	3	Carpenter Storage	Services	Electrical	Electrical Service and Distribution	$57,096.90	535,706,328.6395		1414
2	3	Childcare Facility	Services	Electrical	Communication and Security Systems	$168,048.83	535,874,377.4715		1154
2	3	Hazardous Waste Transfer Facility	Services	Electrical	Lighting and Branch Wiring	$21,076.51	535,895,453.9810		1435
2	3	Solid Waste Transfer Station	Services	Electrical	Lighting and Branch Wiring	$17,208.37	535,912,662.3518		1445
2	3	Childcare Facility	Services	Electrical	Electrical Service and Distribution	$261,958.46	536,174,620.8079		1154
2	3	Woodward Field Toilets	Services	Electrical	Lighting and Branch Wiring	$67,187.19	536,241,807.9940		1365
2	3	Chemical Storage	Services	Electrical	Communication and Security Systems	$8,790.77	536,250,598.7624		1410
2	3	Substation	Services	Electrical	Electrical Service and Distribution	$51,387.21	536,301,985.9711		1455
2	3	Substation	Services	Electrical	Lighting and Branch Wiring	$51,387.21	536,353,373.1798		1455
2	3	Red Barn	Services	Electrical	Electrical Service and Distribution	$231,385.18	536,584,758.3614		1205
2	3	Electric Storage	Services	Electrical	Lighting and Branch Wiring	$25,376.40	536,610,134.7608		1416
2	3	Practice Field Toilets	Services	Electrical	Electrical Service and Distribution	$18,389.96	536,628,524.7190		1395
2	3	Practice Field Toilets	Services	Electrical	Lighting and Branch Wiring	$18,389.96	536,646,914.6772		1395
2	3	Red Barn	Services	Electrical	Lighting and Branch Wiring	$231,385.18	536,878,299.8588		1205
2	3	One Room School House	Services	Electrical	Electrical Service and Distribution	$28,312.81	536,906,612.6701		1127
2	3	Monroe Hall	Services	Electrical	Electrical Service and Distribution	$1,362,304.81	538,268,917.4819		1118
2	3	Surplus Sales Building	Services	Electrical	Communication and Security Systems	$122,998.41	538,391,915.8870		1610
2	3	One Room School House	Services	Electrical	Lighting and Branch Wiring	$28,312.81	538,420,228.6983		1127
2	3	Hazardous Waste Transfer Facility	Services	Electrical	Electrical Service and Distribution	$21,076.51	538,441,305.2078		1435
2	3	Dressler Hall	Services	Electrical	Communication and Security Systems	$859,051.63	539,300,356.8335		1171
2	3	Chemical Storage	Services	Electrical	Lighting and Branch Wiring	$13,703.26	539,314,060.0892		1410
2	3	Electric Storage	Services	Electrical	Electrical Service and Distribution	$25,376.40	539,339,436.4886		1416
2	3	Senior Hall	Services	Electrical	Electrical Service and Distribution	$1,457,151.62	540,796,588.1106		1187
2	3	Senior Hall	Services	Electrical	Lighting and Branch Wiring	$1,457,151.62	542,253,739.7326		1187
2	3	Chemical Storage	Services	Electrical	Electrical Service and Distribution	$13,703.26	542,267,442.9883		1410
2	3	Monroe Hall	Services	Electrical	Lighting and Branch Wiring	$1,362,304.81	543,629,747.8001		1118
2	3	Solid Waste Transfer Station	Services	Electrical	Electrical Service and Distribution	$17,208.37	543,646,956.1709		1445
2	3	Sutton Hall	Services	Electrical	Electrical Service and Distribution	$724,677.46	544,371,633.6332		1112
2	3	Jim Thorpe Fieldhouse	Services	Electrical	Communication and Security Systems	$828,753.43	545,200,387.0678		1335
2	3	Computing and Engineering Sciences Bldg	Services	Electrical	Lighting and Branch Wiring	$2,724,471.16	547,924,858.2289		1160
2	3	Computing and Engineering Sciences Bldg	Services	Electrical	Electrical Service and Distribution	$2,724,471.16	550,649,329.3900		1160
2	3	Carpenter Storage	Services	Electrical	Lighting and Branch Wiring	$57,096.90	550,706,426.2886		1414
2	3	Sutton Hall	Services	Electrical	Lighting and Branch Wiring	$724,677.46	551,431,103.7509		1112
2	3	Childcare Facility	Services	Electrical	Lighting and Branch Wiring	$261,958.46	551,693,062.2070		1154
2	3	PE Classroom Building	Services	Electrical	Electrical Service and Distribution	$926,048.25	552,619,110.4614		1325
2	3	Dorothy Brewster Hall	Services	Electrical	Lighting and Branch Wiring	$780,490.44	553,399,600.8974		1605
2	3	Substation	Services	Electrical	Communication and Security Systems	$32,965.38	553,432,566.2788		1455
2	3	Dorothy Brewster Hall	Services	Electrical	Electrical Service and Distribution	$780,490.44	554,213,056.7148		1605
2	3	Indian Education Center	Services	Electrical	Electrical Service and Distribution	$97,948.37	554,311,005.0849		1193
2	3	President's House	Services	Electrical	Communication and Security Systems	$47,857.94	554,358,863.0279		1184
2	3	Woodward Field Press Box	Services	Electrical	Electrical Service and Distribution	$158,559.60	554,517,422.6258		1385
2	3	Radio-TV Building	Services	Electrical	Electrical Service and Distribution	$464,739.68	554,982,162.3034		1148
2	4	Isle Hall	Services	HVAC	Distribution Systems	$922,665.42	555,904,827.7229		1178
2	4	P.E. Activities Building	Services	HVAC	Terminal and Package Units	$514,933.93	556,419,761.6524		1303
2	4	Red Barn	Services	HVAC	Heat Generating Systems	$371,089.45	556,790,851.1029		1205
2	4	University Recreational Center	Services	HVAC	Special HVAC Systems and Equipment	$938,067.48	557,728,918.5860		1470
2	4	Solid Waste Transfer Station	Services	HVAC	Controls and Instrumentation	$1,948.12	557,730,866.7035		1445
2	4	Senior Hall	Services	HVAC	Controls and Instrumentation	$164,960.56	557,895,827.2679		1187
2	4	Senior Hall	Services	HVAC	Distribution Systems	$1,347,177.90	559,243,005.1633		1187
2	4	President's House	Services	HVAC	Energy Supply	$14,075.86	559,257,081.0278		1184
2	4	One Room School House	Services	HVAC	Terminal and Package Units	$5,876.24	559,262,957.2717		1127
2	4	President's House	Services	HVAC	Cooling Generating Systems	$14,075.86	559,277,033.1362		1184
2	4	University Recreational Center	Services	HVAC	Heat Generating Systems	$4,196,617.87	563,473,651.0027		1470
2	4	President's House	Services	HVAC	Distribution Systems	$68,971.74	563,542,622.7385		1184
2	4	One Room School House	Services	HVAC	Controls and Instrumentation	$3,205.22	563,545,827.9625		1127

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	4	President's House	Services	HVAC	Controls and Instrumentation	$8,445.52	563,554,273.4815		1184
2	4	President's House	Services	HVAC	Terminal and Package Units	$15,483.45	563,569,756.9327		1184
2	4	Woodward Field Press Box	Services	HVAC	Controls and Instrumentation	$17,950.14	563,587,707.0762		1385
2	4	Woodward Field Press Box	Services	HVAC	Distribution Systems	$146,592.83	563,734,299.9099		1385
2	4	Computing and Engineering Sciences Bldg	Services	HVAC	Terminal and Package Units	$565,456.28	564,299,756.1922		1160
2	4	Woodward Field Press Box	Services	HVAC	Terminal and Package Units	$32,908.60	564,332,664.7882		1385
2	4	Huston Hall	Services	HVAC	Cooling Generating Systems	$143,295.62	564,475,960.4082		1124
2	4	One Room School House	Services	HVAC	Cooling Generating Systems	$5,342.04	564,481,302.4480		1127
2	4	University Recreational Center	Services	HVAC	Terminal and Package Units	$543,091.72	565,024,394.1632		1470
2	4	Surbeck Services	Services	HVAC	Distribution Systems	$714,940.88	565,739,335.0442		1450
2	4	President's House	Services	HVAC	Special HVAC Systems and Equipment	$26,744.14	565,766,079.1865		1184
2	4	University Recreational Center	Services	HVAC	Controls and Instrumentation	$296,231.85	566,062,311.0354		1470
2	4	University Recreational Center	Services	HVAC	Distribution Systems	$2,419,226.68	568,481,537.7168		1470
2	4	Childcare Facility	Services	HVAC	Distribution Systems	$242,188.00	568,723,725.7199		1154
2	4	University Recreational Center	Services	HVAC	Cooling Generating Systems	$493,719.73	569,217,445.4527		1470
2	4	Louise Anderson Hall	Services	HVAC	Heat Generating Systems	$2,007,297.01	571,224,742.4673		1475
2	4	Surbeck Services	Services	HVAC	Heat Generating Systems	$1,240,203.61	572,464,946.0818		1450
2	4	Surbeck Services	Services	HVAC	Cooling Generating Systems	$145,906.30	572,610,852.3846		1450
2	4	Computing and Engineering Sciences Bldg	Services	HVAC	Energy Supply	$514,051.16	573,124,903.5417		1160
2	4	John F Kennedy Library	Services	HVAC	Heat Generating Systems	$5,951,452.53	579,076,356.0754		1169
2	4	Senior Hall	Services	HVAC	Terminal and Package Units	$302,427.70	579,378,783.7725		1187
2	4	Computing and Engineering Sciences Bldg	Services	HVAC	Controls and Instrumentation	$308,430.70	579,687,214.4763		1160
2	4	University Recreation Center	Services	HVAC	Terminal and Package Units	$135,196.87	579,822,411.3489		1470
2	4	One Room School House	Services	HVAC	Energy Supply	$5,342.04	579,827,753.3887		1127
2	4	One Room School House	Services	HVAC	Heat Generating Systems	$45,407.34	579,873,160.7286		1127
2	4	Dorothy Brewster Hall	Services	HVAC	Heat Generating Systems	$1,251,729.97	581,124,890.7011		1605
2	4	Senior Hall	Services	HVAC	Energy Supply	$274,934.27	581,399,824.9665		1187
2	4	Dorothy Brewster Hall	Services	HVAC	Energy Supply	$147,262.34	581,547,087.3114		1605
2	4	Red Barn	Services	HVAC	Distribution Systems	$213,922.15	581,761,009.4574		1205
2	4	Red Barn	Services	HVAC	Controls and Instrumentation	$26,194.55	581,787,204.0068		1205
2	4	Aquatics Building	Services	HVAC	Heat Generating Systems	$900,316.07	582,687,520.0737		1340
2	4	P.E. Activities Building	Services	HVAC	Special HVAC Systems and Equipment	$889,431.31	583,576,951.3827		1303
2	4	Aquatics Building	Services	HVAC	Special HVAC Systems and Equipment	$201,247.11	583,778,198.4950		1340
2	4	Senior Hall	Services	HVAC	Heat Generating Systems	$2,336,941.33	586,115,139.8278		1187
2	4	Aquatics Building	Services	HVAC	Controls and Instrumentation	$63,551.72	586,178,691.5501		1340
2	4	Pence Union Building	Services	HVAC	Distribution Systems	$2,613,975.58	588,792,667.1314		1172
2	4	Solid Waste Transfer Station	Services	HVAC	Terminal and Package Units	$3,571.55	588,796,238.6801		1445
2	4	Solid Waste Transfer Station	Services	HVAC	Heat Generating Systems	$27,598.33	588,823,837.0113		1445
2	4	University Recreation Center	Services	HVAC	Controls and Instrumentation	$73,743.75	588,897,580.7610		1470
2	4	University Recreation Center	Services	HVAC	Cooling Generating Systems	$122,906.25	589,020,487.0067		1470
2	4	University Recreation Center	Services	HVAC	Distribution Systems	$602,240.60	589,622,727.6084		1470
2	4	University Recreation Center	Services	HVAC	Special HVAC Systems and Equipment	$233,521.86	589,856,249.4730		1470
2	4	University Recreation Center	Services	HVAC	Heat Generating Systems	$1,044,703.12	590,900,952.5959		1470
2	4	Solid Waste Transfer Station	Services	HVAC	Special HVAC Systems and Equipment	$6,169.04	590,907,121.6344		1445
2	4	Solid Waste Transfer Station	Services	HVAC	Cooling Generating Systems	$3,246.86	590,910,368.4968		1445
2	4	Pence Union Building	Services	HVAC	Terminal and Package Units	$586,810.86	591,497,179.3538		1172
2	4	Dorothy Brewster Hall	Services	HVAC	Cooling Generating Systems	$147,262.34	591,644,441.6987		1605
2	4	Aquatics Building	Services	HVAC	Cooling Generating Systems	$105,919.53	591,750,361.2325		1340
2	4	Red Barn	Services	HVAC	Cooling Generating Systems	$43,657.58	591,794,018.8135		1205
2	4	Monroe Hall	Services	HVAC	Controls and Instrumentation	$154,223.19	591,948,242.0029		1118
2	4	One Room School House	Services	HVAC	Distribution Systems	$26,176.00	591,974,417.9979		1127
2	4	Red Barn	Services	HVAC	Energy Supply	$43,657.58	592,018,075.5789		1205
2	4	Computing and Engineering Sciences Bldg	Services	HVAC	Heat Generating Systems	$4,369,434.98	596,387,510.5575		1160
2	4	Monroe Hall	Services	HVAC	Energy Supply	$257,038.64	596,644,549.1985		1118
2	4	Red Barn	Services	HVAC	Terminal and Package Units	$48,023.34	596,692,572.5384		1205
2	4	Monroe Hall	Services	HVAC	Terminal and Package Units	$282,742.51	596,975,315.0483		1118
2	5	Indian Education Center	Services	Plumbing	Rain Water Drainage	$9,240.41	596,984,555.4605		1193
2	5	University Recreational Center	Services	Plumbing	Sanitary Waste	$839,323.61	597,823,879.0706		1470
2	5	Radio-TV Building	Services	Plumbing	Sanitary Waste	$149,067.45	597,972,946.5242		1148
2	5	Computing and Engineering Sciences Bldg	Services	Plumbing	Special Plumbing Systems	$719,671.66	598,692,618.1824		1160
2	5	Computing and Engineering Sciences Bldg	Services	Plumbing	Sanitary Waste	$873,887.03	599,566,505.2164		1160
2	5	Computing and Engineering Sciences Bldg	Services	Plumbing	Rain Water Drainage	$257,025.58	599,823,530.7949		1160
2	5	Computing and Engineering Sciences Bldg	Services	Plumbing	Plumbing Fixtures	$1,387,938.19	601,211,468.9860		1160
2	5	One Room School House	Services	Plumbing	Plumbing Fixtures	$14,423.51	601,225,892.4942		1127
2	5	Woodward Field Press Box	Services	Plumbing	Plumbing Fixtures	$80,775.65	601,306,668.1415		1385
2	5	President's House	Services	Plumbing	Plumbing Fixtures	$38,004.84	601,344,672.9775		1184
2	5	Childcare Facility	Services	Plumbing	Sanitary Waste	$84,024.42	601,428,697.3935		1154
2	5	Childcare Facility	Services	Plumbing	Plumbing Fixtures	$133,450.54	601,562,147.9328		1154
2	5	Childcare Facility	Services	Plumbing	Domestic Water Distribution	$133,450.54	601,695,598.4721		1154
2	5	Rozell Plant	Services	Plumbing	Plumbing Fixtures	$507,776.38	602,203,374.8564		1460
2	5	Indian Education Center	Services	Plumbing	Plumbing Fixtures	$49,898.23	602,253,273.0846		1193
2	5	Monroe Hall	Services	Plumbing	Sanitary Waste	$436,965.72	602,690,238.8079		1118
2	5	Monroe Hall	Services	Plumbing	Rain Water Drainage	$128,519.32	602,818,758.1284		1118
2	5	Woodward Field Toilets	Services	Plumbing	Rain Water Drainage	$6,338.41	602,825,096.5421		1365
2	5	Rozell Plant	Services	Plumbing	Domestic Water Distribution	$507,776.38	603,332,872.9264		1460
2	5	University Recreation Center	Services	Plumbing	Special Plumbing Systems	$172,068.75	603,504,941.6796		1470
2	5	University Recreational Center	Services	Plumbing	Sanitary Waste	$839,323.61	604,344,265.2897		1470
2	5	University Recreational Center	Services	Plumbing	Rain Water Drainage	$246,859.87	604,591,125.1561		1470
2	5	Indian Education Center	Services	Plumbing	Sanitary Waste	$31,417.40	604,622,542.5599		1193
2	5	Sutton Hall	Services	Plumbing	Rain Water Drainage	$68,365.80	604,690,908.3575		1112
2	5	One Room School House	Services	Plumbing	Sanitary Waste	$9,081.47	604,699,989.8259		1127
2	5	Sutton Hall	Services	Plumbing	Sanitary Waste	$232,443.73	604,932,433.5556		1112
2	5	Sutton Hall	Services	Plumbing	Domestic Water Distribution	$369,175.32	605,301,608.8805		1112
2	5	Sutton Hall	Services	Plumbing	Plumbing Fixtures	$369,175.32	605,670,784.2054		1112
2	5	University Recreation Center	Services	Plumbing	Sanitary Waste	$208,940.63	605,879,724.8391		1470
2	5	Computing and Engineering Sciences Bldg	Services	Plumbing	Domestic Water Distribution	$1,387,938.19	607,267,663.0302		1160

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	5	Monroe Hall	Services	Plumbing	Domestic Water Distribution	$694,004.36	607,961,667.3945		1118
2	5	University Recreational Center	Services	Plumbing	Domestic Water Distribution	$1,333,043.34	609,294,710.7374		1470
2	5	University Recreation Center	Services	Plumbing	Sanitary Waste	$208,940.63	609,503,651.3711		1470
2	5	University Recreation Center	Services	Plumbing	Rain Water Drainage	$61,453.12	609,565,104.4940		1470
2	5	University Recreation Center	Services	Plumbing	Plumbing Fixtures	$331,846.88	609,896,951.3734		1470
2	5	University Recreation Center	Services	Plumbing	Domestic Water Distribution	$331,846.88	610,228,798.2528		1470
2	5	Woodward Field Press Box	Services	Plumbing	Domestic Water Distribution	$80,775.65	610,309,573.9001		1385
2	5	Solid Waste Transfer Station	Services	Plumbing	Domestic Water Distribution	$8,766.53	610,318,340.4290		1445
2	5	University Recreational Center	Services	Plumbing	Special Plumbing Systems	$691,207.66	611,009,548.0917		1470
2	5	University Recreational Center	Services	Plumbing	Plumbing Fixtures	$1,333,043.34	612,342,591.4346		1470
2	5	Senior Hall	Services	Plumbing	Plumbing Fixtures	$742,322.55	613,084,913.9870		1187
2	5	Woodward Field Press Box	Services	Plumbing	Rain Water Drainage	$14,958.45	613,099,872.4395		1385
2	5	Solid Waste Transfer Station	Services	Plumbing	Plumbing Fixtures	$8,766.53	613,108,638.9684		1445
2	5	Senior Hall	Services	Plumbing	Domestic Water Distribution	$742,322.55	613,850,961.5208		1187
2	5	Monroe Hall	Services	Plumbing	Plumbing Fixtures	$694,004.36	614,544,965.8851		1118
2	5	Hazardous Waste Transfer Facility	Services	Plumbing	Sanitary Waste	$6,760.39	614,551,726.2754		1435
2	5	Hazardous Waste Transfer Facility	Services	Plumbing	Plumbing Fixtures	$10,737.09	614,562,463.3655		1435
2	5	Radio-TV Building	Services	Plumbing	Domestic Water Distribution	$236,754.18	614,799,217.5498		1148
2	5	Hazardous Waste Transfer Facility	Services	Plumbing	Domestic Water Distribution	$10,737.09	614,809,954.6399		1435
2	5	Woodward Field Toilets	Services	Plumbing	Plumbing Fixtures	$34,227.44	614,844,182.0756		1365
2	5	Senior Hall	Services	Plumbing	Sanitary Waste	$467,388.29	615,311,570.3626		1187
2	5	Childcare Facility	Services	Plumbing	Rain Water Drainage	$24,713.06	615,336,283.4242		1154
2	5	Senior Hall	Services	Plumbing	Rain Water Drainage	$137,467.13	615,473,750.5569		1187
2	5	Woodward Field Press Box	Services	Plumbing	Sanitary Waste	$50,858.74	615,524,609.2992		1385
2	5	Solid Waste Transfer Station	Services	Plumbing	Sanitary Waste	$5,519.67	615,530,128.9657		1445
2	5	Woodward Field Toilets	Services	Plumbing	Domestic Water Distribution	$34,227.44	615,564,356.4014		1365
2	5	Woodward Field Toilets	Services	Plumbing	Sanitary Waste	$21,550.61	615,585,907.0097		1365
2	5	One Room School House	Services	Plumbing	Domestic Water Distribution	$14,423.51	615,600,330.5179		1127
2	6	Electric Storage	Shell	Roofing	Projections	$1,915.20	615,602,245.7180		1416
2	6	Grounds Covered Storage	Shell	Roofing	Projections	$3,495.24	615,605,740.9581		1415
2	6	Biology Boat Garage	Shell	Roofing	Projections	$4,385.98	615,610,126.9373		1485
2	6	Grounds Covered Storage	Shell	Roofing	Roof Coverings	$13,980.96	615,624,107.8978		1415
2	6	Pence Union Building	Shell	Roofing	Projections	$213,385.78	615,837,493.6753		1172
2	6	Visitor Center	Shell	Roofing	Roof Coverings	$15,130.08	615,852,623.7558		1109
2	6	Art Building	Shell	Roofing	Projections	$77,889.39	615,930,513.1470		1145
2	6	Cheney Hall	Shell	Roofing	Projections	$64,827.62	615,995,340.7693		1163
2	6	Biology Boat Garage	Shell	Roofing	Roof Coverings	$17,543.92	616,012,884.6859		1485
2	6	Pence Union Building	Shell	Roofing	Roof Opening	$533,464.41	616,546,349.0923		1172
2	6	Central Services Building	Shell	Roofing	Roof Opening	$39,174.82	616,585,523.9084		1405
2	6	University Theater	Shell	Roofing	Roof Opening	$189,208.29	616,774,732.1955		1151
2	6	Central Services Building	Shell	Roofing	Roof Coverings	$62,679.71	616,837,411.9057		1405
2	6	University Theater	Shell	Roofing	Roof Coverings	$302,733.28	617,140,145.1863		1151
2	6	Indian Education Center	Shell	Roofing	Roof Opening	$18,480.82	617,158,626.0107		1193
2	6	Pearce Hall	Shell	Roofing	Roof Opening	$305,599.09	617,464,225.0966		1170
2	6	University Theater	Shell	Roofing	Projections	$75,683.32	617,539,908.4167		1151
2	6	Morrison Hall	Shell	Roofing	Roof Opening	$348,959.25	617,888,867.6674		1463
2	6	Indian Education Center	Shell	Roofing	Projections	$7,392.33	617,896,259.9977		1193
2	6	Dryden Hall	Shell	Roofing	Projections	$72,079.21	617,968,339.2040		1480
2	6	Dorothy Brewster Hall	Shell	Roofing	Roof Opening	$147,262.34	618,115,601.5489		1605
2	6	Cadet Hall	Shell	Roofing	Roof Coverings	$89,421.49	618,205,023.0380		1157
2	6	Indian Education Center	Shell	Roofing	Roof Coverings	$29,569.32	618,234,592.3590		1193
2	6	Jim Thorpe Fieldhouse	Shell	Roofing	Projections	$97,500.40	618,332,092.7624		1335
2	6	Streeter Hall	Shell	Roofing	Roof Opening	$264,336.36	618,596,429.1265		1465
2	6	Chemical Storage	Shell	Roofing	Projections	$1,034.21	618,597,463.3345		1410
2	6	Central Services Building	Shell	Roofing	Projections	$15,669.93	618,613,133.2620		1405
2	6	Chemical Storage	Shell	Roofing	Roof Opening	$2,585.52	618,615,718.7819		1410
2	6	Woodward Field Toilets	Shell	Roofing	Roof Coverings	$20,282.93	618,636,001.7072		1365
2	6	Dryden Hall	Shell	Roofing	Roof Opening	$180,198.00	618,816,199.7104		1480
2	6	Louise Anderson Hall	Shell	Roofing	Roof Coverings	$377,844.16	619,194,043.8683		1475
2	6	Woodward Field Toilets	Shell	Roofing	Roof Opening	$12,676.83	619,206,720.6957		1365
2	6	Pence Union Building	Shell	Roofing	Roof Coverings	$853,543.11	620,060,263.8055		1172
2	6	Woodward Field Press Box	Shell	Roofing	Projections	$11,966.76	620,072,230.5683		1385
2	6	Woodward Field Press Box	Shell	Roofing	Roof Coverings	$47,867.05	620,120,097.6196		1385
2	6	Louise Anderson Hall	Shell	Roofing	Roof Opening	$236,152.58	620,356,250.2018		1475
2	6	Woodward Field Press Box	Shell	Roofing	Roof Opening	$29,916.91	620,386,167.1068		1385
2	6	Aquatics Building	Shell	Roofing	Roof Opening	$105,919.53	620,492,086.6406		1340
2	6	Woodward Field Toilets	Shell	Roofing	Projections	$5,070.73	620,497,157.3719		1365
2	6	Childcare Facility	Shell	Roofing	Projections	$19,770.45	620,516,927.8226		1154
2	6	Childcare Facility	Shell	Roofing	Roof Coverings	$79,081.80	620,596,009.6254		1154
2	6	Electric Storage	Shell	Roofing	Roof Coverings	$7,660.80	620,603,670.4257		1416
2	6	Chemical Storage	Shell	Roofing	Roof Coverings	$4,136.83	620,607,807.2578		1410
2	6	Dorothy Brewster Hall	Shell	Roofing	Projections	$58,904.94	620,666,712.1999		1605
2	6	Solid Waste Transfer Station	Shell	Roofing	Roof Coverings	$5,194.98	620,671,907.1801		1445
2	6	Childcare Facility	Shell	Roofing	Roof Opening	$49,426.12	620,721,333.3034		1154
2	6	Carpenter Storage	Shell	Roofing	Projections	$4,309.20	620,725,642.5036		1414
2	6	Louise Anderson Hall	Shell	Roofing	Projections	$94,461.04	620,820,103.5431		1475
2	6	Art Building	Shell	Roofing	Roof Coverings	$311,557.56	621,131,661.1080		1145
2	6	Hazardous Waste Transfer Facility	Shell	Roofing	Roof Coverings	$6,362.72	621,138,023.8282		1435
2	6	Cadet Hall	Shell	Roofing	Roof Opening	$55,888.43	621,193,912.2550		1157
2	6	Solid Waste Transfer Station	Shell	Roofing	Roof Opening	$3,246.86	621,197,159.1174		1445
2	6	Greenhouse Science	Shell	Roofing	Projections	$1,277.72	621,198,436.8363		1420
2	6	Cadet Hall	Shell	Roofing	Projections	$22,355.37	621,220,792.2086		1157
2	6	Greenhouse Science	Shell	Roofing	Roof Coverings	$5,110.88	621,225,903.0841		1420
2	6	Visitor Center	Shell	Roofing	Roof Opening	$9,456.30	621,235,359.3838		1109
2	6	Carpenter Storage	Shell	Roofing	Roof Coverings	$17,236.80	621,252,596.1844		1414
2	6	University Recreation Center	Shell	Roofing	Roof Coverings	$196,650.01	621,449,246.1913		1470

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	6	Art Building	Shell	Roofing	Roof Opening	$194,723.46	621,643,969.6558		1145
2	6	Aquatics Building	Shell	Roofing	Projections	$42,367.82	621,686,337.4723		1340
2	6	Huston Hall	Shell	Roofing	Roof Opening	$143,295.62	621,829,633.0923		1124
2	6	University Recreational Center	Shell	Roofing	Roof Coverings	$789,951.63	622,619,584.7199		1470
2	6	Aquatics Building	Shell	Roofing	Roof Coverings	$169,471.27	622,789,055.9858		1340
2	6	Hazardous Waste Transfer Facility	Shell	Roofing	Projections	$1,590.68	622,790,646.6659		1435
2	6	P.E. Activities Building	Shell	Roofing	Roof Opening	$468,121.75	623,258,768.4121		1303
2	6	Sutton Hall	Shell	Roofing	Roof Opening	$136,731.60	623,395,500.0073		1112
2	6	Sutton Hall	Shell	Roofing	Roof Coverings	$218,770.57	623,614,270.5749		1112
2	6	Communications Center	Shell	Roofing	Roof Opening	$105,824.27	623,720,094.8475		1142
2	6	Music Building	Shell	Roofing	Projections	$99,521.62	623,819,616.4710		1139
2	6	Senior Hall	Shell	Roofing	Roof Opening	$274,934.27	624,094,550.7364		1187
2	6	Red Barn	Shell	Roofing	Roof Opening	$43,657.58	624,138,208.3174		1205
2	6	Music Building	Shell	Roofing	Roof Coverings	$398,086.49	624,536,294.8113		1139
2	6	Communications Center	Shell	Roofing	Roof Coverings	$169,318.85	624,705,613.6592		1142
2	6	Red Barn	Shell	Roofing	Roof Coverings	$69,852.13	624,775,465.7936		1205
2	6	Communications Center	Shell	Roofing	Projections	$42,329.71	624,817,795.5056		1142
2	6	Red Barn	Shell	Roofing	Projections	$17,463.03	624,835,258.5392		1205
2	6	Music Building	Shell	Roofing	Roof Opening	$248,804.04	625,084,062.5805		1139
2	6	Monroe Hall	Shell	Roofing	Projections	$102,815.46	625,186,878.0441		1118
2	6	Kingston Hall	Shell	Roofing	Roof Coverings	$433,870.22	625,620,748.2653		1190
2	6	Rozell Plant	Shell	Roofing	Roof Opening	$188,065.32	625,808,813.5837		1460
2	6	Kingston Hall	Shell	Roofing	Projections	$108,467.56	625,917,281.1390		1190
2	6	PE Classroom Building	Shell	Roofing	Projections	$69,890.44	625,987,171.5774		1325
2	6	P.E. Activities Building	Shell	Roofing	Projections	$187,248.71	626,174,420.2889		1303
2	6	Rozell Plant	Shell	Roofing	Roof Coverings	$300,904.53	626,475,324.8194		1460
2	6	P.E. Activities Building	Shell	Roofing	Roof Coverings	$748,994.85	627,224,319.6656		1303
2	6	Radio-TV Building	Shell	Roofing	Roof Coverings	$140,298.78	627,364,618.4445		1148
2	6	Rozell Plant	Shell	Roofing	Projections	$75,226.13	627,439,844.5771		1460
2	6	PE Classroom Building	Shell	Roofing	Roof Coverings	$279,561.75	627,719,406.3309		1325
2	6	Radio-TV Building	Shell	Roofing	Roof Opening	$87,686.73	627,807,093.0616		1148
2	6	Radio-TV Building	Shell	Roofing	Projections	$35,074.69	627,842,167.7563		1148
2	6	John F Kennedy Library	Shell	Roofing	Projections	$280,068.36	628,122,236.1212		1169
2	6	Senior Hall	Shell	Roofing	Roof Coverings	$439,894.86	628,562,130.9766		1187
2	6	Kingston Hall	Shell	Roofing	Roof Opening	$271,168.87	628,833,299.8459		1190
2	6	Monroe Hall	Shell	Roofing	Roof Opening	$257,038.64	629,090,338.4869		1118
2	6	Pavilion	Shell	Roofing	Projections	$188,586.98	629,278,925.4705		1345
2	6	Senior Hall	Shell	Roofing	Projections	$109,973.71	629,388,899.1843		1187
2	6	Monroe Hall	Shell	Roofing	Roof Coverings	$411,261.85	629,800,161.0387		1118
2	7	Woodward Field Press Box	Shell	Exterior Closure	Exterior Walls	$173,518.05	629,973,679.0863		1385
2	7	Rozell Plant	Shell	Exterior Closure	Exterior Doors	$112,839.19	630,086,518.2809		1460
2	7	Governor Martin House	Shell	Exterior Closure	Exterior Windows	$41,228.87	630,127,747.1507		1196
2	7	Tawanka Commons	Shell	Exterior Closure	Exterior Doors	$174,315.06	630,302,062.2073		1121
2	7	Chemical Storage	Shell	Exterior Closure	Exterior Windows	$6,722.35	630,308,784.5594		1410
2	7	Chemical Storage	Shell	Exterior Closure	Exterior Walls	$14,996.02	630,323,780.5748		1410
2	7	Chemical Storage	Shell	Exterior Closure	Exterior Doors	$1,551.31	630,325,331.8868		1410
2	7	Townhouse Apartments	Shell	Exterior Closure	Exterior Doors	$121,463.28	630,446,795.1708		1210
2	7	Indian Education Center	Shell	Exterior Closure	Exterior Doors	$11,088.50	630,457,883.6658		1193
2	7	Childcare Facility	Shell	Exterior Closure	Exterior Walls	$286,671.51	630,744,555.1790		1154
2	7	John F Kennedy Library	Shell	Exterior Closure	Exterior Doors	$420,102.53	631,164,657.7100		1169
2	7	Grounds Covered Storage	Shell	Exterior Closure	Exterior Windows	$22,719.06	631,187,376.7702		1415
2	7	Red Barn	Shell	Exterior Closure	Exterior Windows	$113,509.72	631,300,886.4856		1205
2	7	Grounds Covered Storage	Shell	Exterior Closure	Exterior Walls	$50,680.98	631,351,567.4635		1415
2	7	Monroe Hall	Shell	Exterior Closure	Exterior Windows	$668,300.50	632,019,867.9589		1118
2	7	Hargreaves Hall	Shell	Exterior Closure	Exterior Walls	$1,715,747.81	633,735,615.7680		1181
2	7	Childcare Facility	Shell	Exterior Closure	Exterior Windows	$128,507.93	633,864,123.6940		1154
2	7	Woodward Field Toilets	Shell	Exterior Closure	Exterior Windows	$32,959.75	633,897,083.4468		1365
2	7	Greenhouse Science	Shell	Exterior Closure	Exterior Walls	$18,526.92	633,915,610.3689		1420
2	7	Dressler Hall	Shell	Exterior Closure	Exterior Windows	$656,921.81	634,572,532.1782		1171
2	7	Hazardous Waste Transfer Facility	Shell	Exterior Closure	Exterior Doors	$2,386.02	634,574,918.1982		1435
2	7	Electric Storage	Shell	Exterior Closure	Exterior Doors	$2,872.80	634,577,790.9982		1416
2	7	Hazardous Waste Transfer Facility	Shell	Exterior Closure	Exterior Walls	$23,064.86	634,600,855.8572		1435
2	7	Cheney Hall	Shell	Exterior Closure	Exterior Walls	$940,000.45	635,540,856.3084		1163
2	7	Governor Martin House	Shell	Exterior Closure	Exterior Walls	$91,972.09	635,632,828.3981		1196
2	7	Tawanka Commons	Shell	Exterior Closure	Exterior Walls	$1,685,045.48	637,317,873.8824		1121
2	7	Woodward Field Toilets	Shell	Exterior Closure	Exterior Walls	$73,525.60	637,391,399.4811		1365
2	7	Electric Storage	Shell	Exterior Closure	Exterior Walls	$27,770.40	637,419,169.8800		1416
2	7	John F Kennedy Library	Shell	Exterior Closure	Exterior Windows	$1,820,444.32	639,239,614.2028		1169
2	7	Governor Martin House	Shell	Exterior Closure	Exterior Doors	$9,514.35	639,249,128.5573		1196
2	7	Huston Hall	Shell	Exterior Closure	Exterior Walls	$831,114.59	640,080,243.1480		1124
2	7	Turnbull Research Lab	Shell	Exterior Closure	Exterior Doors	$17,253.26	640,097,496.4051		1710
2	7	Turnbull Research Lab	Shell	Exterior Closure	Exterior Walls	$166,781.48	640,264,277.8845		1710
2	7	Turnbull Research Lab	Shell	Exterior Closure	Exterior Windows	$74,764.12	640,339,041.9997		1710
2	7	Rozell Plant	Shell	Exterior Closure	Exterior Walls	$1,090,778.84	641,429,820.8396		1460
2	7	John F Kennedy Library	Shell	Exterior Closure	Exterior Walls	$4,060,990.98	645,490,811.8207		1169
2	7	Monroe Hall	Shell	Exterior Closure	Exterior Doors	$154,223.19	645,645,035.0101		1118
2	7	Senior Hall	Shell	Exterior Closure	Exterior Doors	$164,960.56	645,809,995.5745		1187
2	7	President's House	Shell	Exterior Closure	Exterior Windows	$36,597.25	645,846,592.8238		1184
2	7	Indian Education Center	Shell	Exterior Closure	Exterior Windows	$48,050.15	645,894,642.9692		1193
2	7	Solid Waste Transfer Station	Shell	Exterior Closure	Exterior Windows	$8,441.84	645,903,084.8118		1445
2	7	Solid Waste Transfer Station	Shell	Exterior Closure	Exterior Walls	$18,831.80	645,921,916.6135		1445
2	7	Dorothy Brewster Hall	Shell	Exterior Closure	Exterior Walls	$854,121.59	646,776,038.2082		1605
2	7	PE Classroom Building	Shell	Exterior Closure	Exterior Walls	$1,013,411.28	647,789,449.4883		1325
2	7	Sutton Hall	Shell	Exterior Closure	Exterior Doors	$82,038.96	647,871,488.4480		1112
2	7	Senior Hall	Shell	Exterior Closure	Exterior Walls	$1,594,618.73	649,466,107.1771		1187
2	7	Indian Education Center	Shell	Exterior Closure	Exterior Walls	$107,188.78	649,573,295.9577		1193

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	7	Pearce Hall	Shell	Exterior Closure	Exterior Windows	$794,557.66	650,367,853.6152		1170
2	7	Dorothy Brewster Hall	Shell	Exterior Closure	Exterior Windows	$382,882.11	650,750,735.7283		1605
2	7	Senior Hall	Shell	Exterior Closure	Exterior Windows	$714,829.12	651,465,564.8491		1187
2	7	Solid Waste Transfer Station	Shell	Exterior Closure	Exterior Doors	$1,948.12	651,467,512.9666		1445
2	7	Sutton Hall	Shell	Exterior Closure	Exterior Windows	$355,502.16	651,823,015.1295		1112
2	7	Showalter Hall	Shell	Exterior Closure	Exterior Windows	$961,258.55	652,784,273.6823		1103
2	7	Red Barn	Shell	Exterior Closure	Exterior Doors	$26,194.55	652,810,468.2317		1205
2	7	Morrison Hall	Shell	Exterior Closure	Exterior Windows	$907,294.09	653,717,762.3226		1463
2	7	Streeter Hall	Shell	Exterior Closure	Exterior Windows	$687,274.58	654,405,036.8989		1465
2	7	Dorothy Brewster Hall	Shell	Exterior Closure	Exterior Doors	$88,357.41	654,493,394.3086		1605
2	7	Rozell Plant	Shell	Exterior Closure	Exterior Windows	$488,969.85	654,982,364.1576		1460
2	7	Greenhouse Science	Shell	Exterior Closure	Exterior Doors	$1,916.58	654,984,280.7358		1420
2	7	Pavilion	Shell	Exterior Closure	Exterior Windows	$1,225,815.36	656,210,096.0964		1345
2	7	Greenhouse Science	Shell	Exterior Closure	Exterior Windows	$8,305.17	656,218,401.2688		1420
2	7	Carpenter Storage	Shell	Exterior Closure	Exterior Walls	$62,483.40	656,280,884.6662		1414
2	7	Carpenter Storage	Shell	Exterior Closure	Exterior Doors	$6,463.80	656,287,348.4662		1414
2	7	Woodward Field Toilets	Shell	Exterior Closure	Exterior Doors	$7,606.10	656,294,954.5629		1365
2	8	Monroe Hall	Shell	Superstructure	Roof Construction	$1,233,785.52	657,528,740.0781		1118
2	8	Aquatics Building	Shell	Superstructure	Roof Construction	$508,413.78	658,037,153.8561		1340
2	8	Radio-TV Building	Shell	Superstructure	Roof Construction	$420,896.32	658,458,050.1765		1148
2	8	Woodward Field Toilets	Shell	Superstructure	Floor Construction	$91,273.16	658,549,323.3322		1365
2	8	Woodward Field Toilets	Shell	Superstructure	Roof Construction	$60,848.77	658,610,172.1058		1365
2	8	Aquatics Building	Shell	Superstructure	Floor Construction	$762,620.63	659,372,792.7334		1340
2	8	Electric Storage	Shell	Superstructure	Floor Construction	$34,473.60	659,407,266.3315		1416
2	8	Radio-TV Building	Shell	Superstructure	Floor Construction	$631,344.45	660,038,610.7794		1148
2	8	Communications Center	Shell	Superstructure	Floor Construction	$761,934.75	660,800,545.5260		1142
2	8	Communications Center	Shell	Superstructure	Roof Construction	$507,956.52	661,308,502.0500		1142
2	8	Dressler Hall	Shell	Superstructure	Roof Construction	$1,212,778.71	662,521,280.7603		1171
2	8	PE Classroom Building	Shell	Superstructure	Roof Construction	$838,685.23	663,359,965.9891		1325
2	8	Hazardous Waste Transfer Facility	Shell	Superstructure	Floor Construction	$28,632.24	663,388,598.2275		1435
2	8	Hazardous Waste Transfer Facility	Shell	Superstructure	Roof Construction	$19,088.16	663,407,686.3874		1435
2	8	Greenhouse Science	Shell	Superstructure	Floor Construction	$22,998.94	663,430,685.3249		1420
2	8	Woodward Field Concessions	Shell	Superstructure	Floor Construction	$57,509.21	663,488,194.5369		1370
2	8	Science Building	Shell	Superstructure	Roof Construction	$3,715,576.91	667,203,771.4426		1166
2	8	Music Building	Shell	Superstructure	Floor Construction	$1,791,389.06	668,995,160.5030		1139
2	8	Dryden Hall	Shell	Superstructure	Roof Construction	$864,950.44	669,860,110.9451		1480
2	8	Music Building	Shell	Superstructure	Roof Construction	$1,194,259.44	671,054,370.3805		1139
2	8	Childcare Facility	Shell	Superstructure	Roof Construction	$237,245.40	671,291,615.7796		1154
2	8	Art Building	Shell	Superstructure	Floor Construction	$1,402,008.92	672,693,624.6947		1145
2	8	Art Building	Shell	Superstructure	Roof Construction	$934,672.66	673,628,297.3531		1145
2	8	Surbeck Services	Shell	Superstructure	Floor Construction	$1,050,525.36	674,678,822.7115		1450
2	8	Kingston Hall	Shell	Superstructure	Floor Construction	$1,952,415.82	676,631,238.5300		1190
2	8	Kingston Hall	Shell	Superstructure	Roof Construction	$1,301,610.61	677,932,849.1430		1190
2	8	Monroe Hall	Shell	Superstructure	Floor Construction	$1,850,678.18	679,783,527.3201		1118
2	8	Science Building	Shell	Superstructure	Floor Construction	$5,573,365.07	685,356,892.3902		1166
2	8	Central Services Building	Shell	Superstructure	Floor Construction	$282,058.67	685,638,951.0605		1405
2	8	Central Services Building	Shell	Superstructure	Roof Construction	$188,039.12	685,826,990.1838		1405
2	8	PE Classroom Building	Shell	Superstructure	Floor Construction	$1,258,027.78	687,085,017.9619		1325
2	8	Woodward Field Press Box	Shell	Superstructure	Floor Construction	$215,401.71	687,300,419.6731		1385
2	8	Cheney Hall	Shell	Superstructure	Roof Construction	$777,931.44	688,078,351.1101		1163
2	8	Senior Hall	Shell	Superstructure	Roof Construction	$1,319,684.51	689,398,035.6250		1187
2	8	Dryden Hall	Shell	Superstructure	Floor Construction	$1,297,425.60	690,695,461.2211		1480
2	8	Dressler Hall	Shell	Superstructure	Floor Construction	$1,819,167.97	692,514,629.1924		1171
2	8	Pearce Hall	Shell	Superstructure	Floor Construction	$2,200,313.37	694,714,942.5652		1170
2	8	Pearce Hall	Shell	Superstructure	Roof Construction	$1,466,875.66	696,181,818.2230		1170
2	8	Cheney Hall	Shell	Superstructure	Floor Construction	$1,166,897.10	697,348,715.3181		1163
2	8	Jim Thorpe Fieldhouse	Shell	Superstructure	Roof Construction	$1,170,004.80	698,518,720.1136		1335
2	8	Rozell Plant	Shell	Superstructure	Roof Construction	$902,713.56	699,421,433.6701		1460
2	8	Greenhouse Science	Shell	Superstructure	Roof Construction	$15,332.63	699,436,766.2959		1420
2	8	Pence Union Building	Shell	Superstructure	Roof Construction	$2,560,629.23	701,997,395.5260		1172
2	8	Turnbull Research Lab	Shell	Superstructure	Floor Construction	$207,039.08	702,204,434.6010		1710
2	8	Electric Storage	Shell	Superstructure	Roof Construction	$22,982.40	702,227,417.0009		1416
2	8	Indian Education Center	Shell	Superstructure	Roof Construction	$88,707.96	702,316,124.9606		1193
2	8	Jim Thorpe Fieldhouse	Shell	Superstructure	Floor Construction	$1,755,007.10	704,071,132.0630		1335
2	8	Pence Union Building	Shell	Superstructure	Floor Construction	$3,840,943.65	707,912,075.7095		1172
2	8	Solid Waste Transfer Station	Shell	Superstructure	Roof Construction	$15,584.94	707,927,660.6494		1445
2	8	Indian Education Center	Shell	Superstructure	Floor Construction	$133,061.93	708,060,722.5820		1193
2	8	Tawanka Commons	Shell	Superstructure	Floor Construction	$2,091,780.57	710,152,503.1533		1121
2	8	Governor Martin House	Shell	Superstructure	Roof Construction	$76,114.84	710,228,617.9890		1196
2	8	Solid Waste Transfer Station	Shell	Superstructure	Floor Construction	$23,377.41	710,251,995.3977		1445
2	8	Grounds Covered Storage	Shell	Superstructure	Floor Construction	$62,914.32	710,314,909.7142		1415
2	8	Chemical Storage	Shell	Superstructure	Floor Construction	$18,615.74	710,333,525.4572		1410
2	8	Chemical Storage	Shell	Superstructure	Roof Construction	$12,410.50	710,345,935.9532		1410
2	8	Grounds Covered Storage	Shell	Superstructure	Roof Construction	$41,942.88	710,387,878.8330		1415
2	8	P.E. Activities Building	Shell	Superstructure	Floor Construction	$3,370,476.50	713,758,355.3356		1303
2	8	One Room School House	Shell	Superstructure	Roof Construction	$25,641.79	713,783,997.1275		1127
2	8	Biology Boat Garage	Shell	Superstructure	Roof Construction	$52,631.75	713,836,628.8753		1485
2	8	Biology Boat Garage	Shell	Superstructure	Floor Construction	$78,947.62	713,915,576.4929		1485
2	8	Carpenter Storage	Shell	Superstructure	Floor Construction	$77,565.60	713,993,142.0886		1414
2	8	Surbeck Services	Shell	Superstructure	Roof Construction	$700,350.28	714,693,492.3637		1450
2	8	John F Kennedy Library	Shell	Superstructure	Roof Construction	$3,360,820.25	718,054,312.6119		1169
2	8	P.E. Activities Building	Shell	Superstructure	Roof Construction	$2,246,984.45	720,301,297.0632		1303
2	8	University Theater	Shell	Superstructure	Roof Construction	$908,199.81	721,209,496.8697		1151
2	8	Governor Martin House	Shell	Superstructure	Floor Construction	$114,172.25	721,323,669.1174		1196
2	8	University Theater	Shell	Superstructure	Floor Construction	$1,362,299.64	722,685,968.7567		1151
2	8	Dorothy Brewster Hall	Shell	Superstructure	Floor Construction	$1,060,288.86	723,746,257.6178		1605

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	8	Pavilion	Shell	Superstructure	Floor Construction	$3,394,565.40	727,140,823.0155		1345
2	8	Dorothy Brewster Hall	Shell	Superstructure	Roof Construction	$706,859.28	727,847,682.2928		1605
2	8	Rozell Plant	Shell	Superstructure	Floor Construction	$1,354,070.26	729,201,752.5575		1460
2	8	Pavilion	Shell	Superstructure	Roof Construction	$2,263,043.72	731,464,796.2731		1345
2	8	Carpenter Storage	Shell	Superstructure	Roof Construction	$51,710.40	731,516,506.6729		1414
2	8	Turnbull Research Lab	Shell	Superstructure	Roof Construction	$138,026.06	731,654,532.7300		1710
2	8	John F Kennedy Library	Shell	Superstructure	Floor Construction	$5,041,230.11	736,695,762.8415		1169
2	9	Streeter Hall	Interiors	Staircases	Stair Construction	$449,371.85	737,145,134.6950		1465
2	9	Jim Thorpe Fieldhouse	Interiors	Staircases	Stair Construction	$414,376.72	737,559,511.4123		1335
2	9	Kingston Hall	Interiors	Staircases	Stair Finishes	$81,350.66	737,640,862.0756		1190
2	9	Pavilion	Interiors	Staircases	Stair Construction	$801,494.69	738,442,356.7615		1345
2	9	Pavilion	Interiors	Staircases	Stair Finishes	$141,440.23	738,583,796.9937		1345
2	9	Science Building	Interiors	Staircases	Stair Construction	$1,315,933.55	739,899,730.5412		1166
2	9	President's House	Interiors	Staircases	Stair Construction	$23,928.97	739,923,659.5127		1184
2	9	Pearce Hall	Interiors	Staircases	Stair Finishes	$91,679.73	740,015,339.2413		1170
2	9	Cheney Hall	Interiors	Staircases	Stair Construction	$275,517.40	740,290,856.6378		1163
2	9	Pearce Hall	Interiors	Staircases	Stair Construction	$519,518.49	740,810,375.1237		1170
2	9	Cheney Hall	Interiors	Staircases	Stair Finishes	$48,620.71	740,858,995.8385		1163
2	9	P.E. Activities Building	Interiors	Staircases	Stair Finishes	$140,436.53	740,999,432.3667		1303
2	9	Rozell Plant	Interiors	Staircases	Stair Finishes	$56,419.60	741,055,851.9640		1460
2	9	Kingston Hall	Interiors	Staircases	Stair Construction	$460,987.11	741,516,839.0771		1190
2	9	Dorothy Brewster Hall	Interiors	Staircases	Stair Construction	$250,346.01	741,767,185.0826		1605
2	9	Indian Education Center	Interiors	Staircases	Stair Finishes	$5,544.25	741,772,729.3301		1193
2	9	Rozell Plant	Interiors	Staircases	Stair Construction	$319,711.07	742,092,440.3960		1460
2	9	Computing and Engineering Sciences Bldg	Interiors	Staircases	Stair Finishes	$154,215.35	742,246,655.7479		1160
2	9	Louise Anderson Hall	Interiors	Staircases	Stair Construction	$401,459.42	742,648,115.1684		1475
2	9	Morrison Hall	Interiors	Staircases	Stair Finishes	$104,687.78	742,752,802.9469		1463
2	9	University Theater	Interiors	Staircases	Stair Construction	$321,654.11	743,074,457.0597		1151
2	9	Dorothy Brewster Hall	Interiors	Staircases	Stair Finishes	$44,178.70	743,118,635.7645		1605
2	9	Aquatics Building	Interiors	Staircases	Stair Construction	$180,063.22	743,298,698.9858		1340
2	9	Central Services Building	Interiors	Staircases	Stair Finishes	$11,752.45	743,310,451.4310		1405
2	9	Science Building	Interiors	Staircases	Stair Finishes	$232,223.56	743,542,674.9876		1166
2	9	Huston Hall	Interiors	Staircases	Stair Finishes	$42,988.69	743,585,663.6749		1124
2	9	Dryden Hall	Interiors	Staircases	Stair Finishes	$54,059.40	743,639,723.0775		1480
2	9	Music Building	Interiors	Staircases	Stair Construction	$422,966.90	744,062,689.9802		1139
2	9	Huston Hall	Interiors	Staircases	Stair Construction	$243,602.57	744,306,292.5529		1124
2	9	P.E. Activities Building	Interiors	Staircases	Stair Construction	$795,807.03	745,102,099.5824		1303
2	9	PE Classroom Building	Interiors	Staircases	Stair Finishes	$52,417.83	745,154,517.4092		1325
2	9	Woodward Field Press Box	Interiors	Staircases	Stair Finishes	$8,975.07	745,163,492.4810		1385
2	9	PE Classroom Building	Interiors	Staircases	Stair Construction	$297,034.37	745,460,526.8464		1325
2	9	Governor Martin House	Interiors	Staircases	Stair Finishes	$4,757.18	745,465,284.0236		1196
2	9	Governor Martin House	Interiors	Staircases	Stair Construction	$26,957.34	745,492,241.3625		1196
2	9	Dressler Hall	Interiors	Staircases	Stair Finishes	$75,798.67	745,568,040.0319		1171
2	9	Dressler Hall	Interiors	Staircases	Stair Construction	$429,525.81	745,997,565.8447		1171
2	9	Morrison Hall	Interiors	Staircases	Stair Construction	$593,230.77	746,590,796.6164		1463
2	9	Senior Hall	Interiors	Staircases	Stair Construction	$467,388.29	747,058,184.9034		1187
2	9	Aquatics Building	Interiors	Staircases	Stair Finishes	$31,775.86	747,089,960.7645		1340
2	9	Carpenter Storage	Interiors	Staircases	Stair Finishes	$3,231.90	747,093,192.6645		1414
2	9	President's House	Interiors	Staircases	Stair Finishes	$4,222.76	747,097,415.4240		1184
2	9	Senior Hall	Interiors	Staircases	Stair Finishes	$82,480.28	747,179,895.7062		1187
2	9	Communications Center	Interiors	Staircases	Stair Construction	$179,901.28	747,359,796.9833		1142
2	9	Radio-TV Building	Interiors	Staircases	Stair Construction	$149,067.45	747,508,864.4369		1148
2	9	Jim Thorpe Fieldhouse	Interiors	Staircases	Stair Finishes	$73,125.30	747,581,989.7366		1335
2	9	Streeter Hall	Interiors	Staircases	Stair Finishes	$79,300.91	747,661,290.6483		1465
2	9	Central Services Building	Interiors	Staircases	Stair Construction	$66,597.19	747,727,887.8408		1405
2	9	John F Kennedy Library	Interiors	Staircases	Stair Finishes	$210,051.27	747,937,939.1063		1169
2	9	Carpenter Storage	Interiors	Staircases	Stair Construction	$18,314.10	747,956,253.2071		1414
2	9	Sutton Hall	Interiors	Staircases	Stair Construction	$232,443.73	748,188,696.9368		1112
2	9	John F Kennedy Library	Interiors	Staircases	Stair Construction	$1,190,290.56	749,378,987.4957		1169
2	9	Woodward Field Press Box	Interiors	Staircases	Stair Construction	$50,858.74	749,429,846.2380		1385
2	9	Art Building	Interiors	Staircases	Stair Construction	$331,029.92	749,760,876.1530		1145
2	9	Sutton Hall	Interiors	Staircases	Stair Finishes	$41,019.48	749,801,895.6328		1112
2	9	Dryden Hall	Interiors	Staircases	Stair Construction	$306,336.63	750,108,232.2617		1480
2	10	Dryden Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$937,029.66	751,045,261.9185		1480
2	10	Carpenter Storage	Interiors	Interior Construction	Interior Doors	$24,777.90	751,070,039.8182		1414
2	10	Rozell Plant	Interiors	Interior Construction	Interior Doors	$432,550.24	751,502,590.0611		1460
2	10	Monroe Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,336,600.99	752,839,191.0519		1118
2	10	Monroe Hall	Interiors	Interior Construction	Interior Doors	$591,188.89	753,430,379.9406		1118
2	10	Carpenter Storage	Interiors	Interior Construction	Fixed and Moveable Partitions	$56,019.60	753,486,399.5411		1414
2	10	Electric Storage	Interiors	Interior Construction	Interior Doors	$11,012.40	753,497,411.9410		1416
2	10	Red Barn	Interiors	Interior Construction	Interior Doors	$100,412.44	753,597,824.3797		1205
2	10	Hazardous Waste Transfer Facility	Interiors	Interior Construction	Specialties	$5,965.05	753,603,789.4295		1435
2	10	PE Classroom Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$908,575.68	754,512,365.1048		1325
2	10	Hazardous Waste Transfer Facility	Interiors	Interior Construction	Fixed and Moveable Partitions	$20,678.84	754,533,043.9450		1435
2	10	Tawanka Commons	Interiors	Interior Construction	Interior Doors	$668,207.71	755,201,251.6576		1121
2	10	Governor Martin House	Interiors	Interior Construction	Fixed and Moveable Partitions	$82,457.74	755,283,709.3973		1196
2	10	Governor Martin House	Interiors	Interior Construction	Interior Doors	$36,471.69	755,320,181.0892		1196
2	10	Chemical Storage	Interiors	Interior Construction	Interior Doors	$5,946.70	755,326,127.7851		1410
2	10	Radio-TV Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$455,971.02	755,782,098.8043		1148
2	10	Chemical Storage	Interiors	Interior Construction	Fixed and Moveable Partitions	$13,444.70	755,795,543.5084		1410
2	10	Aquatics Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$550,781.60	756,346,325.1079		1340
2	10	Red Barn	Interiors	Interior Construction	Fixed and Moveable Partitions	$227,019.43	756,573,344.5387		1205
2	10	President's Garage	Interiors	Interior Construction	Fixed and Moveable Partitions	$10,967.10	756,584,311.6352		1185
2	10	Music Building	Interiors	Interior Construction	Specialties	$373,206.06	756,957,517.6972		1139
2	10	Morrison Hall	Interiors	Interior Construction	Specialties	$523,438.88	757,480,956.5733		1463
2	10	Art Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,012,562.06	758,493,518.6320		1145

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	10	Music Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,293,781.07	759,787,299.7025		1139
2	10	Red Barn	Interiors	Interior Construction	Specialties	$65,486.37	759,852,786.0740		1205
2	10	P.E. Activities Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,434,233.18	762,287,019.2587		1303
2	10	Hazardous Waste Transfer Facility	Interiors	Interior Construction	Interior Doors	$9,146.41	762,296,165.6686		1435
2	10	Surplus Sales Building	Interiors	Interior Construction	Interior Doors	$83,204.80	762,379,370.4677		1610
2	10	Pavilion	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,451,630.72	764,831,001.1888		1345
2	10	Dorothy Brewster Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$765,764.23	765,596,765.4150		1605
2	10	Rozell Plant	Interiors	Interior Construction	Fixed and Moveable Partitions	$977,939.70	766,574,705.1129		1460
2	10	Dorothy Brewster Hall	Interiors	Interior Construction	Interior Doors	$338,703.40	766,913,408.5143		1605
2	10	Solid Waste Transfer Station	Interiors	Interior Construction	Interior Doors	$7,467.78	766,920,876.2980		1445
2	10	Monroe Hall	Interiors	Interior Construction	Specialties	$385,557.96	767,306,434.2595		1118
2	10	Aquatics Building	Interiors	Interior Construction	Interior Doors	$243,614.93	767,550,049.1932		1340
2	10	Woodward Field Toilets	Interiors	Interior Construction	Fixed and Moveable Partitions	$65,919.51	767,615,968.6987		1365
2	10	President's House	Interiors	Interior Construction	Interior Doors	$32,374.49	767,648,343.1879		1184
2	10	Louise Anderson Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,227,993.48	768,876,336.6681		1475
2	10	Louise Anderson Hall	Interiors	Interior Construction	Interior Doors	$543,150.95	769,419,487.6203		1475
2	10	Communications Center	Interiors	Interior Construction	Fixed and Moveable Partitions	$550,286.24	769,969,773.8612		1142
2	10	University Theater	Interiors	Interior Construction	Fixed and Moveable Partitions	$983,883.14	770,953,656.9967		1151
2	10	Jim Thorpe Fieldhouse	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,267,505.21	772,221,162.2069		1335
2	10	Tawanka Commons	Interiors	Interior Construction	Specialties	$435,787.63	772,656,949.8349		1121
2	10	Sutton Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$711,004.33	773,367,954.1606		1112
2	10	Communications Center	Interiors	Interior Construction	Specialties	$158,736.41	773,526,690.5694		1142
2	10	John F Kennedy Library	Interiors	Interior Construction	Fixed and Moveable Partitions	$3,640,888.65	777,167,579.2151		1169
2	10	Childcare Facility	Interiors	Interior Construction	Specialties	$74,139.18	777,241,718.4000		1154
2	10	Childcare Facility	Interiors	Interior Construction	Interior Doors	$113,680.09	777,355,398.4863		1154
2	10	Sutton Hall	Interiors	Interior Construction	Interior Doors	$314,482.68	777,669,881.1630		1112
2	10	Childcare Facility	Interiors	Interior Construction	Fixed and Moveable Partitions	$257,015.85	777,926,897.0151		1154
2	10	Kingston Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,410,078.18	779,336,975.1960		1190
2	10	Woodward Field Press Box	Interiors	Interior Construction	Specialties	$44,875.36	779,381,850.5534		1385
2	10	Indian Education Center	Interiors	Interior Construction	Specialties	$27,721.24	779,409,571.7899		1193
2	10	Grounds Covered Storage	Interiors	Interior Construction	Fixed and Moveable Partitions	$45,438.12	779,455,009.9103		1415
2	10	Tawanka Commons	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,510,730.51	780,965,740.4191		1121
2	10	Williamson Hall	Interiors	Interior Construction	Interior Doors	$379,740.98	781,345,481.3976		1133
2	10	Senior Hall	Interiors	Interior Construction	Specialties	$412,401.40	781,757,882.7957		1187
2	10	Woodward Field Toilets	Interiors	Interior Construction	Interior Doors	$29,156.70	781,787,039.4995		1365
2	10	John F Kennedy Library	Interiors	Interior Construction	Interior Doors	$1,610,393.02	783,397,432.5242		1169
2	10	Indian Education Center	Interiors	Interior Construction	Interior Doors	$42,505.90	783,439,938.4212		1193
2	10	President's House	Interiors	Interior Construction	Fixed and Moveable Partitions	$73,194.50	783,513,132.9198		1184
2	10	Kingston Hall	Interiors	Interior Construction	Interior Doors	$623,688.41	784,136,821.3343		1190
2	10	Indian Education Center	Interiors	Interior Construction	Fixed and Moveable Partitions	$96,100.29	784,232,921.6251		1193
2	10	Central Services Building	Interiors	Interior Construction	Interior Doors	$90,102.08	784,323,023.7044		1405
2	10	Turnbull Research Lab	Interiors	Interior Construction	Fixed and Moveable Partitions	$149,528.23	784,472,551.9347		1710
2	10	Surbeck Services	Interiors	Interior Construction	Fixed and Moveable Partitions	$758,712.81	785,231,264.7418		1450
2	10	Senior Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,429,658.24	786,660,922.9834		1187
2	10	Senior Hall	Interiors	Interior Construction	Interior Doors	$632,348.83	787,293,271.8092		1187
2	10	Turnbull Research Lab	Interiors	Interior Construction	Interior Doors	$66,137.49	787,359,409.2945		1710
2	10	Turnbull Research Lab	Interiors	Interior Construction	Specialties	$43,133.14	787,402,542.4360		1710
2	11	Music Building	Interiors	Interior Finishes	Floor Finishes	$1,069,857.44	788,472,399.8739		1139
2	11	Carpenter Storage	Interiors	Interior Finishes	Floor Finishes	$46,323.90	788,518,723.7749		1414
2	11	Kingston Hall	Interiors	Interior Finishes	Ceiling Finishes	$596,571.52	789,115,295.2974		1190
2	11	Substation	Interiors	Interior Finishes	Floor Finishes	$41,691.51	789,156,986.8083		1455
2	11	Governor Martin House	Interiors	Interior Finishes	Ceiling Finishes	$34,885.97	789,191,872.7742		1196
2	11	Tawanka Commons	Interiors	Interior Finishes	Wall Finishes	$726,312.74	789,918,185.5147		1121
2	11	University Theater	Interiors	Interior Finishes	Floor Finishes	$813,595.68	790,731,781.1952		1151
2	11	Governor Martin House	Interiors	Interior Finishes	Floor Finishes	$68,186.21	790,799,967.4039		1196
2	11	Turnbull Research Lab	Interiors	Interior Finishes	Ceiling Finishes	$63,261.94	790,863,229.3459		1710
2	11	Woodward Field Press Box	Interiors	Interior Finishes	Ceiling Finishes	$65,817.19	790,929,046.5379		1385
2	11	Kingston Hall	Interiors	Interior Finishes	Floor Finishes	$1,166,026.20	792,095,072.7415		1190
2	11	Greenhouse Science	Interiors	Interior Finishes	Floor Finishes	$13,735.48	792,108,808.2191		1420
2	11	Carpenter Storage	Interiors	Interior Finishes	Ceiling Finishes	$23,700.60	792,132,508.8187		1414
2	11	PE Classroom Building	Interiors	Interior Finishes	Wall Finishes	$436,815.23	792,569,324.0447		1325
2	11	Surbeck Services	Interiors	Interior Finishes	Ceiling Finishes	$320,993.87	792,890,317.9163		1450
2	11	Hazardous Waste Transfer Facility	Interiors	Interior Finishes	Ceiling Finishes	$8,748.74	792,899,066.6561		1435
2	11	Hazardous Waste Transfer Facility	Interiors	Interior Finishes	Floor Finishes	$17,099.81	792,916,166.4665		1435
2	11	Surbeck Services	Interiors	Interior Finishes	Floor Finishes	$627,397.14	793,543,563.6038		1450
2	11	Aquatics Building	Interiors	Interior Finishes	Wall Finishes	$264,798.84	793,808,362.4482		1340
2	11	Computing and Engineering Sciences Bldg	Interiors	Interior Finishes	Wall Finishes	$1,285,127.94	795,093,490.3887		1160
2	11	PE Classroom Building	Interiors	Interior Finishes	Ceiling Finishes	$384,397.39	795,477,887.7798		1325
2	11	Rozell Plant	Interiors	Interior Finishes	Ceiling Finishes	$413,743.71	795,891,631.4874		1460
2	11	PE Classroom Building	Interiors	Interior Finishes	Floor Finishes	$751,322.20	796,642,953.6905		1325
2	11	Sutton Hall	Interiors	Interior Finishes	Ceiling Finishes	$300,809.51	796,943,763.2051		1112
2	11	Aquatics Building	Interiors	Interior Finishes	Ceiling Finishes	$233,022.98	797,176,786.1834		1340
2	11	University Theater	Interiors	Interior Finishes	Wall Finishes	$473,020.74	797,649,806.9189		1151
2	11	Woodward Field Press Box	Interiors	Interior Finishes	Floor Finishes	$128,642.70	797,778,449.6175		1385
2	11	John F Kennedy Library	Interiors	Interior Finishes	Ceiling Finishes	$1,540,375.93	799,318,825.5429		1169
2	11	Solid Waste Transfer Station	Interiors	Interior Finishes	Floor Finishes	$13,961.51	799,332,787.0519		1445
2	11	Woodward Field Concessions	Interiors	Interior Finishes	Ceiling Finishes	$17,572.26	799,350,359.3118		1370
2	11	Greenhouse Science	Interiors	Interior Finishes	Ceiling Finishes	$7,027.45	799,357,386.7652		1420
2	11	Substation	Interiors	Interior Finishes	Ceiling Finishes	$21,330.54	799,378,717.3048		1455
2	11	Aquatics Building	Interiors	Interior Finishes	Floor Finishes	$455,454.02	799,834,171.3258		1340
2	11	Townhouse Apartments	Interiors	Interior Finishes	Wall Finishes	$506,097.02	800,340,268.3457		1210
2	11	John F Kennedy Library	Interiors	Interior Finishes	Floor Finishes	$3,010,734.88	803,351,003.2275		1169
2	11	Turnbull Research Lab	Interiors	Interior Finishes	Floor Finishes	$123,648.35	803,474,651.5735		1710
2	11	Rozell Plant	Interiors	Interior Finishes	Floor Finishes	$808,680.91	804,283,332.4883		1460
2	11	Huston Hall	Interiors	Interior Finishes	Ceiling Finishes	$315,250.37	804,598,582.8576		1124
2	11	Woodward Field Concessions	Interiors	Interior Finishes	Floor Finishes	$34,345.78	804,632,928.6396		1370

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	11	Electric Storage	Interiors	Interior Finishes	Floor Finishes	$20,588.40	804,653,517.0400		1416
2	11	Jim Thorpe Fieldhouse	Interiors	Interior Finishes	Ceiling Finishes	$536,252.19	805,189,769.2304		1335
2	11	Computing and Engineering Sciences Bldg	Interiors	Interior Finishes	Floor Finishes	$2,210,420.10	807,400,189.3302		1160
2	11	Dorothy Brewster Hall	Interiors	Interior Finishes	Floor Finishes	$633,228.12	808,033,417.4488		1605
2	11	Radio-TV Building	Interiors	Interior Finishes	Ceiling Finishes	$192,910.81	808,226,328.2596		1148
2	11	Monroe Hall	Interiors	Interior Finishes	Wall Finishes	$642,596.63	808,868,924.8861		1118
2	11	President's House	Interiors	Interior Finishes	Wall Finishes	$35,189.66	808,904,114.5487		1184
2	11	Senior Hall	Interiors	Interior Finishes	Ceiling Finishes	$604,855.39	809,508,969.9428		1187
2	11	P.E. Activities Building	Interiors	Interior Finishes	Ceiling Finishes	$1,029,867.86	810,538,837.8018		1303
2	11	President's House	Interiors	Interior Finishes	Floor Finishes	$60,526.22	810,599,364.0226		1184
2	11	Senior Hall	Interiors	Interior Finishes	Floor Finishes	$1,182,217.41	811,781,581.4304		1187
2	11	P.E. Activities Building	Interiors	Interior Finishes	Floor Finishes	$2,012,923.62	813,794,505.0523		1303
2	11	Senior Hall	Interiors	Interior Finishes	Wall Finishes	$687,335.69	814,481,840.7414		1187
2	11	Radio-TV Building	Interiors	Interior Finishes	Floor Finishes	$377,052.96	814,858,893.7046		1148
2	11	Central Services Building	Interiors	Interior Finishes	Floor Finishes	$168,451.72	815,027,345.4235		1405
2	11	Electric Storage	Interiors	Interior Finishes	Ceiling Finishes	$10,533.60	815,037,879.0233		1416
2	11	President's House	Interiors	Interior Finishes	Ceiling Finishes	$30,966.90	815,068,845.9257		1184
2	11	Central Services Building	Interiors	Interior Finishes	Ceiling Finishes	$86,184.60	815,155,030.5227		1405
2	11	Dryden Hall	Interiors	Interior Finishes	Ceiling Finishes	$396,435.61	815,551,466.1364		1480
2	11	Dryden Hall	Interiors	Interior Finishes	Floor Finishes	$774,851.46	816,326,317.5937		1480
2	11	Tawanka Commons	Interiors	Interior Finishes	Floor Finishes	$1,249,257.94	817,575,575.5311		1121
2	11	Sutton Hall	Interiors	Interior Finishes	Wall Finishes	$341,829.00	817,917,404.5319		1112
2	11	University Recreational Center	Interiors	Interior Finishes	Wall Finishes	$1,234,299.38	819,151,703.9098		1470
2	11	Tawanka Commons	Interiors	Interior Finishes	Ceiling Finishes	$639,155.20	819,790,859.1084		1121
2	11	University Recreation Center	Interiors	Interior Finishes	Wall Finishes	$307,265.63	820,098,124.7341		1470
2	11	Jim Thorpe Fieldhouse	Interiors	Interior Finishes	Floor Finishes	$1,048,129.32	821,146,254.0565		1335
2	11	Childcare Facility	Interiors	Interior Finishes	Ceiling Finishes	$108,737.47	821,254,991.5295		1154
2	11	Turnbull Research Lab	Interiors	Interior Finishes	Wall Finishes	$71,888.57	821,326,880.1014		1710
2	11	Indian Education Center	Interiors	Interior Finishes	Ceiling Finishes	$40,657.81	821,367,537.9157		1193
2	11	Chemical Storage	Interiors	Interior Finishes	Ceiling Finishes	$5,688.14	821,373,226.0596		1410
2	11	Art Building	Interiors	Interior Finishes	Floor Finishes	$837,310.94	822,210,537.0039		1145
2	11	Indian Education Center	Interiors	Interior Finishes	Floor Finishes	$79,467.55	822,290,004.5531		1193
2	11	Jim Thorpe Fieldhouse	Interiors	Interior Finishes	Wall Finishes	$609,377.50	822,899,382.0545		1335
2	11	Williamson Hall	Interiors	Interior Finishes	Floor Finishes	$709,950.55	823,609,332.6022		1133
2	11	Art Building	Interiors	Interior Finishes	Ceiling Finishes	$428,391.63	824,037,724.2313		1145
2	11	Woodward Field Toilets	Interiors	Interior Finishes	Ceiling Finishes	$27,889.02	824,065,613.2521		1365
2	11	Communications Center	Interiors	Interior Finishes	Floor Finishes	$455,044.40	824,520,657.6497		1142
2	11	Dorothy Brewster Hall	Interiors	Interior Finishes	Ceiling Finishes	$323,977.16	824,844,634.8139		1605
2	11	Governor Martin House	Interiors	Interior Finishes	Wall Finishes	$39,643.14	824,884,277.9577		1196
2	11	Chemical Storage	Interiors	Interior Finishes	Floor Finishes	$11,117.74	824,895,395.6939		1410
2	11	Red Barn	Interiors	Interior Finishes	Wall Finishes	$109,143.96	825,004,539.6504		1205
2	11	University Theater	Interiors	Interior Finishes	Ceiling Finishes	$416,258.24	825,420,797.8892		1151
2	11	Communications Center	Interiors	Interior Finishes	Ceiling Finishes	$232,813.40	825,653,611.2928		1142
2	11	Solid Waste Transfer Station	Interiors	Interior Finishes	Ceiling Finishes	$7,143.10	825,660,754.3902		1445
2	11	Music Building	Interiors	Interior Finishes	Ceiling Finishes	$547,368.90	826,208,123.2904		1139
2	11	Grounds Covered Storage	Interiors	Interior Finishes	Floor Finishes	$37,573.83	826,245,697.1212		1415
2	11	Cheney Hall	Interiors	Interior Finishes	Floor Finishes	$696,896.93	826,942,594.0511		1163
2	11	Grounds Covered Storage	Interiors	Interior Finishes	Ceiling Finishes	$19,223.82	826,961,817.8708		1415
2	11	Woodward Field Toilets	Interiors	Interior Finishes	Floor Finishes	$54,510.36	827,016,328.2319		1365
2	12	John F Kennedy Library	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$210,051.27	827,226,379.4974		1169
2	12	Martin Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$211,374.24	827,437,753.7413		1130
2	12	Greenhouse Science	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$3,194.30	827,440,948.0382		1420
2	12	Sutton Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$41,019.48	827,481,967.5180		1112
2	12	Dorothy Brewster Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$44,178.70	827,526,146.2228		1605
2	12	Monroe Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$77,111.59	827,603,257.8175		1118
2	12	Tawanka Commons	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$203,367.57	827,806,625.3881		1121
2	12	Childcare Facility	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$14,827.84	827,821,453.2255		1154
2	12	Art Building	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$136,306.43	827,957,759.6579		1145
2	12	Cheney Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$48,620.71	828,006,380.3727		1163
2	12	Visitor Center	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$6,619.41	828,012,999.7828		1109
2	12	Isle Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$131,809.35	828,144,809.1360		1178
2	12	Tawanka Commons	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$87,157.53	828,231,966.6643		1121
2	12	Rozell Plant	Special Construction	Special Construction	Special Controls and Instrumentation	$188,065.32	828,420,031.9827		1460
2	12	Showalter Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$258,800.38	828,678,832.3649		1103
2	12	Music Building	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$174,162.84	828,852,995.2031		1139
2	12	Senior Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$192,454.00	829,045,449.1991		1187
2	12	Indian Education Center	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$5,544.25	829,050,993.4466		1193
2	12	John F Kennedy Library	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$490,119.63	829,541,113.0770		1169
2	12	Rozell Plant	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$188,065.32	829,729,178.3954		1460
2	12	Rozell Plant	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$56,419.60	829,785,597.9927		1460
2	12	Huston Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$100,306.94	829,885,904.9320		1124
2	13	Woodward Field Toilets	Substructure	Foundations	Standard Foundations	$53,242.68	829,939,147.6077		1365
2	13	President's Garage	Substructure	Foundations	Standard Foundations	$8,858.04	829,948,005.6469		1185
2	13	P.E. Activities Building	Substructure	Foundations	Slab on Grade	$1,310,740.96	831,258,746.6059		1303
2	13	Sutton Hall	Substructure	Foundations	Slab on Grade	$382,848.49	831,641,595.0929		1112
2	13	Dorothy Brewster Hall	Substructure	Foundations	Standard Foundations	$618,501.85	832,260,096.9468		1605
2	13	Dorothy Brewster Hall	Substructure	Foundations	Slab on Grade	$412,334.59	832,672,431.5344		1605
2	13	Senior Hall	Substructure	Foundations	Slab on Grade	$769,815.98	833,442,247.5185		1187
2	13	Central Services Building	Substructure	Foundations	Standard Foundations	$164,534.23	833,606,781.7477		1405
2	13	Hargreaves Hall	Substructure	Foundations	Standard Foundations	$1,242,438.09	834,849,219.8354		1181
2	13	Louise Anderson Hall	Substructure	Foundations	Standard Foundations	$991,840.85	835,841,060.6894		1475
2	13	Solid Waste Transfer Station	Substructure	Foundations	Slab on Grade	$9,091.22	835,850,151.9046		1445
2	13	John F Kennedy Library	Substructure	Foundations	Standard Foundations	$2,940,717.65	838,790,869.5566		1169
2	13	Pearce Hall	Substructure	Foundations	Slab on Grade	$855,677.49	839,646,547.0426		1170
2	13	Grounds Covered Storage	Substructure	Foundations	Standard Foundations	$36,700.02	839,683,247.0616		1415
2	13	Cheney Hall	Substructure	Foundations	Slab on Grade	$453,793.35	840,137,040.4099		1163

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
2	13	Jim Thorpe Fieldhouse	Substructure	Foundations	Standard Foundations	$1,023,754.17	841,160,794.5833		1335
2	13	Kingston Hall	Substructure	Foundations	Slab on Grade	$759,272.87	841,920,067.4577		1190
2	13	Chemical Storage	Substructure	Foundations	Slab on Grade	$7,239.46	841,927,306.9138		1410
2	13	Pearce Hall	Substructure	Foundations	Standard Foundations	$1,283,516.17	843,210,823.0859		1170
2	13	Tawanka Commons	Substructure	Foundations	Standard Foundations	$1,220,205.37	844,431,028.4552		1121
2	13	Pence Union Building	Substructure	Foundations	Standard Foundations	$2,240,550.53	846,671,578.9819		1172
2	13	One Room School House	Substructure	Foundations	Slab on Grade	$14,957.71	846,686,536.6942		1127
2	13	Central Services Building	Substructure	Foundations	Slab on Grade	$109,689.49	846,796,226.1852		1405
2	13	Martin Hall	Substructure	Foundations	Standard Foundations	$1,268,245.41	848,064,471.5922		1130
2	13	Dryden Hall	Substructure	Foundations	Standard Foundations	$756,831.62	848,821,303.2123		1480
2	13	Pavilion	Substructure	Foundations	Slab on Grade	$1,320,108.86	850,141,412.0756		1345
2	13	Pavilion	Substructure	Foundations	Standard Foundations	$1,980,163.21	852,121,575.2828		1345
2	13	P.E. Activities Building	Substructure	Foundations	Standard Foundations	$1,966,111.35	854,087,686.6341		1303
2	13	Dressler Hall	Substructure	Foundations	Slab on Grade	$707,454.26	854,795,140.8975		1171
2	13	Hargreaves Hall	Substructure	Foundations	Slab on Grade	$828,292.10	855,623,432.9927		1181
2	13	Dressler Hall	Substructure	Foundations	Standard Foundations	$1,061,181.35	856,684,614.3407		1171
2	13	Grounds Covered Storage	Substructure	Foundations	Slab on Grade	$24,466.68	856,709,081.0211		1415
2	13	Electric Storage	Substructure	Foundations	Slab on Grade	$13,406.40	856,722,487.4213		1416
2	13	Communications Center	Substructure	Foundations	Standard Foundations	$444,461.95	857,166,949.3700		1142
2	13	University Theater	Substructure	Foundations	Standard Foundations	$794,674.81	857,961,624.1831		1151
2	13	Morrison Hall	Substructure	Foundations	Standard Foundations	$1,465,628.87	859,427,253.0492		1463
2	13	Electric Storage	Substructure	Foundations	Standard Foundations	$20,109.60	859,447,362.6487		1416
2	13	Louise Anderson Hall	Substructure	Foundations	Slab on Grade	$661,227.27	860,108,589.9140		1475
2	13	Aquatics Building	Substructure	Foundations	Slab on Grade	$296,574.71	860,405,164.6244		1340
2	13	Cheney Hall	Substructure	Foundations	Standard Foundations	$680,689.99	861,085,854.6167		1163
2	13	Carpenter Storage	Substructure	Foundations	Slab on Grade	$30,164.40	861,116,019.0173		1414
2	13	Kingston Hall	Substructure	Foundations	Standard Foundations	$1,138,909.26	862,254,928.2784		1190
2	13	John F Kennedy Library	Substructure	Foundations	Slab on Grade	$1,960,478.52	864,215,406.8000		1169
2	13	Rozell Plant	Substructure	Foundations	Slab on Grade	$526,582.92	864,741,989.7196		1460
2	13	Surbeck Services	Substructure	Foundations	Slab on Grade	$408,537.67	865,150,527.3892		1450
2	13	Greenhouse Science	Substructure	Foundations	Slab on Grade	$8,944.03	865,159,471.4211		1420
2	13	Carpenter Storage	Substructure	Foundations	Standard Foundations	$45,246.60	865,204,718.0199		1414
2	13	Williamson Hall	Substructure	Foundations	Standard Foundations	$693,440.04	865,898,158.0568		1133
2	13	Solid Waste Transfer Station	Substructure	Foundations	Standard Foundations	$13,636.82	865,911,794.8789		1445
2	13	Woodward Field Toilets	Substructure	Foundations	Slab on Grade	$35,495.12	865,947,289.9976		1365
2	13	Biology Boat Garage	Substructure	Foundations	Standard Foundations	$46,052.78	865,993,342.7759		1485
2	13	Woodward Field Concessions	Substructure	Foundations	Standard Foundations	$33,547.04	866,026,889.8172		1370
2	13	Greenhouse Science	Substructure	Foundations	Standard Foundations	$13,416.05	866,040,305.8645		1420
2	13	PE Classroom Building	Substructure	Foundations	Standard Foundations	$733,849.56	866,774,155.4234		1325
2	13	PE Classroom Building	Substructure	Foundations	Slab on Grade	$489,233.06	867,263,388.4844		1325
2	13	Hazardous Waste Transfer Facility	Substructure	Foundations	Slab on Grade	$11,134.76	867,274,523.2446		1435
2	13	Huston Hall	Substructure	Foundations	Standard Foundations	$601,841.61	867,876,364.8539		1124
2	13	Governor Martin House	Substructure	Foundations	Standard Foundations	$66,600.48	867,942,965.3337		1196
2	13	Radio-TV Building	Substructure	Foundations	Standard Foundations	$368,284.27	868,311,249.6059		1148
2	13	Chemical Storage	Substructure	Foundations	Standard Foundations	$10,859.18	868,322,108.7896		1410
2	13	Science Building	Substructure	Foundations	Standard Foundations	$3,251,129.72	871,573,238.5100		1166
2	13	Rozell Plant	Substructure	Foundations	Standard Foundations	$789,874.34	872,363,112.8544		1460
2	13	Hazardous Waste Transfer Facility	Substructure	Foundations	Standard Foundations	$16,702.14	872,379,814.9940		1435
2	13	Music Building	Substructure	Foundations	Standard Foundations	$1,044,976.98	873,424,791.9768		1139
2	13	Pence Union Building	Substructure	Foundations	Slab on Grade	$1,493,700.42	874,918,492.3942		1172
2	13	Art Building	Substructure	Foundations	Standard Foundations	$817,838.56	875,736,330.9522		1145
2	13	Tawanka Commons	Substructure	Foundations	Slab on Grade	$813,470.28	876,549,801.2345		1121
2	13	Science Building	Substructure	Foundations	Slab on Grade	$2,167,419.91	878,717,221.1442		1166
2	13	Aquatics Building	Substructure	Foundations	Standard Foundations	$444,862.05	879,162,083.1901		1340
2	13	Greenhouse Boneyard	Substructure	Foundations	Standard Foundations	$10,868.99	879,172,952.1771		1425
2	13	Woodward Field Press Box	Substructure	Foundations	Slab on Grade	$83,767.34	879,256,719.5154		1385
2	13	Turnbull Research Lab	Substructure	Foundations	Standard Foundations	$120,772.80	879,377,492.3127		1710
2	13	Turnbull Research Lab	Substructure	Foundations	Slab on Grade	$80,515.20	879,458,007.5145		1710
2	13	Streeter Hall	Substructure	Foundations	Standard Foundations	$1,110,212.74	880,568,220.2538		1465
2	13	Surbeck Services	Substructure	Foundations	Standard Foundations	$612,806.48	881,181,026.7310		1450
1	1	University Recreation Center	Services	Fire Protection	Stand-Pipe and Hose Systems	$24,581.25	881,205,607.9819		1470
1	1	University Recreation Center	Services	Fire Protection	Special Fire Protection Systems	$24,581.25	881,230,189.2328		1470
1	1	University Recreation Center	Services	Fire Protection	Fire Protection Specialties	$24,581.25	881,254,770.4837		1470
1	1	University Recreation Center	Services	Fire Protection	Fire Protection Sprinkler Systems	$172,068.75	881,426,839.2369		1470
1	1	Snyamncut Hall	Services	Fire Protection	Fire Protection Specialties	$97,208.64	881,524,047.8763		1467
1	1	Patterson Hall	Services	Fire Protection	Special Fire Protection Systems	$148,128.76	881,672,176.6315		1175
1	1	Visitor Center	Services	Fire Protection	Fire Protection Specialties	$1,891.26	881,674,067.8916		1109
1	1	Patterson Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$1,036,901.27	882,710,969.1606		1175
1	1	Patterson Hall	Services	Fire Protection	Stand-Pipe and Hose Systems	$148,128.76	882,859,097.9158		1175
1	1	Patterson Hall	Services	Fire Protection	Fire Protection Specialties	$148,128.76	883,007,226.6710		1175
1	1	Snyamncut Hall	Services	Fire Protection	Stand-Pipe and Hose Systems	$97,208.64	883,104,435.3104		1467
1	1	Central Services Building	Services	Fire Protection	Fire Protection Specialties	$7,834.96	883,112,270.2742		1405
1	1	Central Services Building	Services	Fire Protection	Special Fire Protection Systems	$7,834.96	883,120,105.2380		1405
1	1	Kingston Hall	Services	Fire Protection	Fire Protection Specialties	$54,233.78	883,174,339.0156		1190
1	1	Pence Union Building	Services	Fire Protection	Special Fire Protection Systems	$106,692.89	883,281,031.9043		1172
1	1	Pence Union Building	Services	Fire Protection	Fire Protection Sprinkler Systems	$746,850.21	884,027,882.1130		1172
1	1	Pence Union Building	Services	Fire Protection	Fire Protection Specialties	$106,692.89	884,134,575.0017		1172
1	1	Pence Union Building	Services	Fire Protection	Stand-Pipe and Hose Systems	$106,692.89	884,241,267.8904		1172
1	1	University Recreational Center	Services	Fire Protection	Fire Protection Sprinkler Systems	$691,207.66	884,932,475.5531		1470
1	1	PE Classroom Building	Services	Fire Protection	Fire Protection Sprinkler Systems	$244,616.53	885,177,092.0836		1325
1	1	University Recreational Center	Services	Fire Protection	Fire Protection Specialties	$98,743.95	885,275,836.0371		1470
1	1	PE Classroom Building	Services	Fire Protection	Fire Protection Specialties	$34,945.22	885,310,781.2563		1325
1	1	Snyamncut Hall	Services	Fire Protection	Special Fire Protection Systems	$97,208.64	885,407,989.8957		1467
1	1	Snyamncut Hall	Services	Fire Protection	Fire Protection Sprinkler Systems	$680,460.46	886,088,450.3602		1467
1	1	University Recreational Center	Services	Fire Protection	Special Fire Protection Systems	$98,743.95	886,187,194.3137		1470
1	1	University Recreational Center	Services	Fire Protection	Stand-Pipe and Hose Systems	$98,743.95	886,285,938.2672		1470

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
1	2	University Recreational Center	Services	Vertical Transportation	Elevators and Lifts	$493,719.73	886,779,658.0000		1470
1	2	Snyamncut Hall	Services	Vertical Transportation	Elevators and Lifts	$486,043.16	887,265,701.1630		1467
1	2	University Recreational Center	Services	Vertical Transportation	Elevators and Lifts	$493,719.73	887,759,420.8958		1470
1	2	University Recreation Center	Services	Vertical Transportation	Elevators and Lifts	$122,906.25	887,882,327.1415		1470
1	2	Hargreaves Hall	Services	Vertical Transportation	Elevators and Lifts	$295,818.59	888,178,145.7312		1181
1	2	Patterson Hall	Services	Vertical Transportation	Elevators and Lifts	$740,643.72	888,918,789.4554		1175
1	2	Pence Union Building	Services	Vertical Transportation	Elevators and Lifts	$533,464.41	889,452,253.8618		1172
1	2	University Recreation Center	Services	Vertical Transportation	Elevators and Lifts	$122,906.25	889,575,160.1075		1470
1	3	University Recreation Center	Services	Electrical	Lighting and Branch Wiring	$651,403.11	890,226,563.2166		1470
1	3	Central Services Building	Services	Electrical	Communication and Security Systems	$133,194.39	890,359,757.6017		1405
1	3	Snyamncut Hall	Services	Electrical	Special Electrical Systems	$486,043.16	890,845,800.7647		1467
1	3	Pavilion	Services	Electrical	Communication and Security Systems	$1,602,989.37	892,448,790.1364		1345
1	3	University Recreational Center	Services	Electrical	Communication and Security Systems	$1,678,647.22	894,127,437.3566		1470
1	3	Tawanka Commons	Services	Electrical	Communication and Security Systems	$987,785.37	895,115,222.7226		1121
1	3	University Recreational Center	Services	Electrical	Lighting and Branch Wiring	$2,616,714.61	897,731,937.3339		1470
1	3	PE Classroom Building	Services	Electrical	Lighting and Branch Wiring	$926,048.25	898,657,985.5883		1325
1	3	Surbeck Services	Services	Electrical	Communication and Security Systems	$496,081.47	899,154,067.0558		1450
1	3	Aquatics Building	Services	Electrical	Communication and Security Systems	$360,126.44	899,514,193.4984		1340
1	3	Woodward Field Press Box	Services	Electrical	Communication and Security Systems	$101,717.48	899,615,910.9831		1385
1	3	Pence Union Building	Services	Electrical	Lighting and Branch Wiring	$2,827,361.38	902,443,272.3667		1172
1	3	Huston Hall	Services	Electrical	Communication and Security Systems	$487,205.15	902,930,477.5121		1124
1	3	Townhouse Apartments	Services	Electrical	Communication and Security Systems	$688,291.97	903,618,769.4863		1210
1	3	Pence Union Building	Services	Electrical	Electrical Service and Distribution	$2,827,361.38	906,446,130.8699		1172
1	3	Snyamncut Hall	Services	Electrical	Electrical Service and Distribution	$2,576,028.79	909,022,159.6612		1467
1	3	Computing and Engineering Sciences Bldg	Services	Electrical	Communication and Security Systems	$1,747,774.07	910,769,933.7293		1160
1	3	Hargreaves Hall	Services	Electrical	Electrical Service and Distribution	$1,567,838.54	912,337,772.2711		1181
1	3	Snyamncut Hall	Services	Electrical	Communication and Security Systems	$1,652,546.88	913,990,319.1522		1467
1	3	Pence Union Building	Services	Electrical	Special Electrical Systems	$533,464.41	914,523,783.5586		1172
1	3	University Recreational Center	Services	Electrical	Electrical Service and Distribution	$2,616,714.61	917,140,498.1699		1470
1	3	Hargreaves Hall	Services	Electrical	Communication and Security Systems	$1,005,783.28	918,146,281.4519		1181
1	3	Kingston Hall	Services	Electrical	Communication and Security Systems	$921,974.23	919,068,255.6782		1190
1	3	Pence Union Building	Services	Electrical	Communication and Security Systems	$1,813,779.12	920,882,034.7990		1172
1	3	Visitor Center	Services	Electrical	Lighting and Branch Wiring	$50,118.39	920,932,153.1878		1109
1	3	Senior Hall	Services	Electrical	Communication and Security Systems	$934,776.57	921,866,929.7619		1187
1	3	University Recreational Center	Services	Electrical	Communication and Security Systems	$1,678,647.22	923,545,576.9821		1470
1	3	Patterson Hall	Services	Electrical	Lighting and Branch Wiring	$3,925,411.78	927,470,988.7615		1175
1	3	Patterson Hall	Services	Electrical	Electrical Service and Distribution	$3,925,411.78	931,396,400.5409		1175
1	3	Patterson Hall	Services	Electrical	Special Electrical Systems	$740,643.72	932,137,044.2651		1175
1	3	University Recreation Center	Services	Electrical	Special Electrical Systems	$122,906.25	932,259,950.5108		1470
1	3	One Room School House	Services	Electrical	Communication and Security Systems	$18,162.94	932,278,113.4476		1127
1	3	Visitor Center	Services	Electrical	Communication and Security Systems	$32,151.42	932,310,264.8689		1109
1	3	University Recreation Center	Services	Electrical	Lighting and Branch Wiring	$651,403.11	932,961,667.9780		1470
1	3	University Recreation Center	Services	Electrical	Electrical Service and Distribution	$651,403.11	933,613,071.0871		1470
1	3	University Recreational Center	Services	Electrical	Lighting and Branch Wiring	$2,616,714.61	936,229,785.6984		1470
1	3	Sutton Hall	Services	Electrical	Communication and Security Systems	$464,887.46	936,694,673.1578		1112
1	3	University Recreational Center	Services	Electrical	Electrical Service and Distribution	$2,616,714.61	939,311,387.7691		1470
1	3	University Recreation Center	Services	Electrical	Communication and Security Systems	$417,881.27	939,729,269.0366		1470
1	3	Hargreaves Hall	Services	Electrical	Lighting and Branch Wiring	$1,567,838.54	941,297,107.5784		1181
1	3	Patterson Hall	Services	Electrical	Communication and Security Systems	$2,518,188.86	943,815,296.4337		1175
1	3	University Recreation Center	Services	Electrical	Electrical Service and Distribution	$651,403.11	944,466,699.5428		1470
1	3	University Recreation Center	Services	Electrical	Communication and Security Systems	$417,881.27	944,884,580.8103		1470
1	3	Rozell Plant	Services	Electrical	Communication and Security Systems	$639,422.13	945,524,002.9420		1460
1	3	Snyamncut Hall	Services	Electrical	Lighting and Branch Wiring	$2,576,028.79	948,100,031.7333		1467
1	3	University Recreational Center	Services	Electrical	Special Electrical Systems	$493,719.73	948,593,751.4661		1470
1	3	Visitor Center	Services	Electrical	Electrical Service and Distribution	$50,118.39	948,643,869.8549		1109
1	4	University Recreational Center	Services	HVAC	Energy Supply	$493,719.73	949,137,589.5877		1470
1	4	University Recreational Center	Services	HVAC	Energy Supply	$493,719.73	949,631,309.3205		1470
1	4	Woodward Field Toilets	Services	HVAC	Distribution Systems	$62,116.45	949,693,425.7747		1365
1	4	Woodward Field Toilets	Services	HVAC	Heat Generating Systems	$107,753.04	949,801,178.8115		1365
1	4	Woodward Field Toilets	Services	HVAC	Terminal and Package Units	$13,944.51	949,815,123.3219		1365
1	4	University Recreational Center	Services	HVAC	Heat Generating Systems	$4,196,617.87	954,011,741.1884		1470
1	4	University Recreational Center	Services	HVAC	Terminal and Package Units	$543,091.72	954,554,832.9036		1470
1	4	University Recreational Center	Services	HVAC	Distribution Systems	$2,419,226.68	956,974,059.5850		1470
1	4	PE Classroom Building	Services	HVAC	Controls and Instrumentation	$104,835.65	957,078,895.2386		1325
1	4	PE Classroom Building	Services	HVAC	Terminal and Package Units	$192,198.70	957,271,093.9341		1325
1	4	University Recreational Center	Services	HVAC	Cooling Generating Systems	$493,719.73	957,764,813.6669		1470
1	4	PE Classroom Building	Services	HVAC	Heat Generating Systems	$1,485,171.76	959,249,985.4289		1325
1	4	PE Classroom Building	Services	HVAC	Distribution Systems	$856,157.81	960,106,143.2368		1325
1	4	University Recreational Center	Services	HVAC	Controls and Instrumentation	$296,231.85	960,402,375.0857		1470
1	4	University Recreational Center	Services	HVAC	Special HVAC Systems and Equipment	$938,067.48	961,340,442.5688		1470
1	4	University Recreation Center	Services	HVAC	Cooling Generating Systems	$122,906.25	961,463,348.8145		1470
1	4	Woodward Field Concessions	Services	HVAC	Distribution Systems	$39,138.21	961,502,487.0289		1370
1	4	Woodward Field Concessions	Services	HVAC	Terminal and Package Units	$8,786.13	961,511,273.1588		1370
1	4	Patterson Hall	Services	HVAC	Controls and Instrumentation	$444,386.25	961,955,659.4071		1175
1	4	Visitor Center	Services	HVAC	Controls and Instrumentation	$5,673.78	961,961,333.1871		1109
1	4	Woodward Field Concessions	Services	HVAC	Heat Generating Systems	$67,892.82	962,029,226.0105		1370
1	4	Snyamncut Hall	Services	HVAC	Distribution Systems	$2,381,611.49	964,410,837.5003		1467
1	4	Patterson Hall	Services	HVAC	Cooling Generating Systems	$740,643.72	965,151,481.2245		1175
1	4	Visitor Center	Services	HVAC	Terminal and Package Units	$10,401.93	965,161,883.1543		1109
1	4	Visitor Center	Services	HVAC	Distribution Systems	$46,335.87	965,208,219.0225		1109
1	4	University Recreation Center	Services	HVAC	Energy Supply	$122,906.25	965,331,125.2682		1470
1	4	Snyamncut Hall	Services	HVAC	Cooling Generating Systems	$486,043.16	965,817,168.4312		1467
1	4	University Recreation Center	Services	HVAC	Distribution Systems	$602,240.60	966,419,409.0329		1470
1	4	Snyamncut Hall	Services	HVAC	Energy Supply	$486,043.16	966,905,452.1959		1467
1	4	Snyamncut Hall	Services	HVAC	Heat Generating Systems	$4,131,367.02	971,036,819.2175		1467
1	4	Snyamncut Hall	Services	HVAC	Special HVAC Systems and Equipment	$923,482.00	971,960,301.2182		1467

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
1	4	University Recreation Center	Services	HVAC	Controls and Instrumentation	$73,743.75	972,034,044.9679		1470
1	4	University Recreation Center	Services	HVAC	Heat Generating Systems	$1,044,703.12	973,078,748.0908		1470
1	4	Snyamncut Hall	Services	HVAC	Terminal and Package Units	$534,647.49	973,613,395.5792		1467
1	4	University Recreation Center	Services	HVAC	Special HVAC Systems and Equipment	$233,521.86	973,846,917.4438		1470
1	4	University Recreation Center	Services	HVAC	Terminal and Package Units	$135,196.87	973,982,114.3164		1470
1	4	Visitor Center	Services	HVAC	Energy Supply	$9,456.30	973,991,570.6161		1109
1	4	Pence Union Building	Services	HVAC	Heat Generating Systems	$4,534,447.60	978,526,018.2194		1172
1	4	Patterson Hall	Services	HVAC	Distribution Systems	$3,629,154.23	982,155,172.4539		1175
1	4	Hargreaves Hall	Services	HVAC	Distribution Systems	$1,449,511.08	983,604,683.5378		1181
1	4	Hargreaves Hall	Services	HVAC	Heat Generating Systems	$2,514,458.09	986,119,141.6327		1181
1	4	Hargreaves Hall	Services	HVAC	Terminal and Package Units	$325,400.45	986,444,542.0869		1181
1	4	Patterson Hall	Services	HVAC	Terminal and Package Units	$814,708.11	987,259,250.1973		1175
1	4	Patterson Hall	Services	HVAC	Special HVAC Systems and Equipment	$1,407,223.06	988,666,473.2594		1175
1	4	Patterson Hall	Services	HVAC	Heat Generating Systems	$6,295,471.86	994,961,945.1216		1175
1	4	Visitor Center	Services	HVAC	Cooling Generating Systems	$9,456.30	994,971,401.4213		1109
1	4	Hargreaves Hall	Services	HVAC	Energy Supply	$295,818.59	995,267,220.0110		1181
1	4	Snyamncut Hall	Services	HVAC	Controls and Instrumentation	$291,625.91	995,558,845.9179		1467
1	4	Pence Union Building	Services	HVAC	Special HVAC Systems and Equipment	$1,013,582.36	996,572,428.2801		1172
1	4	Practice Field Toilets	Services	HVAC	Energy Supply	$3,469.80	996,575,898.0835		1395
1	4	University Recreation Center	Services	HVAC	Energy Supply	$122,906.25	996,698,804.3292		1470
1	4	Practice Field Toilets	Services	HVAC	Terminal and Package Units	$3,816.78	996,702,621.1130		1395
1	4	Practice Field Toilets	Services	HVAC	Special HVAC Systems and Equipment	$6,592.63	996,709,213.7394		1395
1	4	Patterson Hall	Services	HVAC	Energy Supply	$740,643.72	997,449,857.4636		1175
1	4	Practice Field Toilets	Services	HVAC	Heat Generating Systems	$29,493.33	997,479,350.7935		1395
1	4	Pence Union Building	Services	HVAC	Energy Supply	$533,464.41	998,012,815.1999		1172
1	4	Practice Field Toilets	Services	HVAC	Controls and Instrumentation	$2,081.88	998,014,897.0820		1395
1	4	Practice Field Toilets	Services	HVAC	Cooling Generating Systems	$3,469.80	998,018,366.8854		1395
1	4	Visitor Center	Services	HVAC	Heat Generating Systems	$80,378.55	998,098,745.4352		1109
1	5	University Recreation Center	Services	Plumbing	Plumbing Fixtures	$331,846.88	998,430,592.3146		1470
1	5	University Recreation Center	Services	Plumbing	Rain Water Drainage	$61,453.12	998,492,045.4375		1470
1	5	University Recreation Center	Services	Plumbing	Domestic Water Distribution	$331,846.88	998,823,892.3169		1470
1	5	Snyamncut Hall	Services	Plumbing	Domestic Water Distribution	$1,312,316.60	1,000,136,208.9205		1467
1	5	Patterson Hall	Services	Plumbing	Rain Water Drainage	$370,321.86	1,000,506,530.7826		1175
1	5	Visitor Center	Services	Plumbing	Rain Water Drainage	$4,728.15	1,000,511,258.9324		1109
1	5	Visitor Center	Services	Plumbing	Plumbing Fixtures	$25,532.01	1,000,536,790.9427		1109
1	5	Plant Utilities	Services	Plumbing	Rain Water Drainage	$12,841.15	1,000,549,632.0923		1106
1	5	University Recreational Center	Services	Plumbing	Domestic Water Distribution	$1,333,043.34	1,001,882,675.4352		1470
1	5	Patterson Hall	Services	Plumbing	Special Plumbing Systems	$1,036,901.27	1,002,919,576.7042		1175
1	5	Pence Union Building	Services	Plumbing	Domestic Water Distribution	$1,440,353.97	1,004,359,930.6710		1172
1	5	Patterson Hall	Services	Plumbing	Sanitary Waste	$1,259,094.43	1,005,619,025.0986		1175
1	5	Snyamncut Hall	Services	Plumbing	Special Plumbing Systems	$680,460.46	1,006,299,485.5631		1467
1	5	Hargreaves Hall	Services	Plumbing	Domestic Water Distribution	$798,710.23	1,007,098,195.7938		1181
1	5	Hargreaves Hall	Services	Plumbing	Rain Water Drainage	$147,909.29	1,007,246,105.0886		1181
1	5	Hargreaves Hall	Services	Plumbing	Plumbing Fixtures	$798,710.23	1,008,044,815.3193		1181
1	5	Hargreaves Hall	Services	Plumbing	Sanitary Waste	$502,891.64	1,008,547,706.9603		1181
1	5	Practice Field Toilets	Services	Plumbing	Sanitary Waste	$5,898.67	1,008,553,605.6265		1395
1	5	Practice Field Toilets	Services	Plumbing	Domestic Water Distribution	$9,368.47	1,008,562,974.0961		1395
1	5	Visitor Center	Services	Plumbing	Domestic Water Distribution	$25,532.01	1,008,588,506.1064		1109
1	5	Practice Field Toilets	Services	Plumbing	Plumbing Fixtures	$9,368.47	1,008,597,874.5760		1395
1	5	Patterson Hall	Services	Plumbing	Domestic Water Distribution	$1,999,738.15	1,010,597,612.7278		1175
1	5	Pence Union Building	Services	Plumbing	Special Plumbing Systems	$746,850.21	1,011,344,462.9365		1172
1	5	Hargreaves Hall	Services	Plumbing	Special Plumbing Systems	$414,146.05	1,011,758,608.9841		1181
1	5	Patterson Hall	Services	Plumbing	Plumbing Fixtures	$1,999,738.15	1,013,758,347.1359		1175
1	5	University Recreational Center	Services	Plumbing	Plumbing Fixtures	$1,333,043.34	1,015,091,390.4788		1470
1	5	Snyamncut Hall	Services	Plumbing	Plumbing Fixtures	$1,312,316.60	1,016,403,707.0824		1467
1	5	Visitor Center	Services	Plumbing	Sanitary Waste	$16,075.71	1,016,419,782.7931		1109
1	5	University Recreation Center	Services	Plumbing	Special Plumbing Systems	$172,068.75	1,016,591,851.5463		1470
1	5	University Recreational Center	Services	Plumbing	Special Plumbing Systems	$691,207.66	1,017,283,059.2090		1470
1	5	University Recreational Center	Services	Plumbing	Rain Water Drainage	$246,859.87	1,017,529,919.0754		1470
1	5	Snyamncut Hall	Services	Plumbing	Rain Water Drainage	$243,021.58	1,017,772,940.6569		1467
1	5	Pence Union Building	Services	Plumbing	Sanitary Waste	$906,889.56	1,018,679,830.2173		1172
1	5	Snyamncut Hall	Services	Plumbing	Sanitary Waste	$826,273.44	1,019,506,103.6578		1467
1	5	Pence Union Building	Services	Plumbing	Rain Water Drainage	$266,732.20	1,019,772,835.8610		1172
1	5	Pence Union Building	Services	Plumbing	Plumbing Fixtures	$1,440,353.97	1,021,213,189.8278		1172
1	6	Snyamncut Hall	Shell	Roofing	Roof Opening	$486,043.16	1,021,699,232.9908		1467
1	6	Snyamncut Hall	Shell	Roofing	Roof Coverings	$777,669.12	1,022,476,902.1060		1467
1	6	Snyamncut Hall	Shell	Roofing	Projections	$194,417.28	1,022,671,319.3848		1467
1	6	Turnbull Research Lab	Shell	Roofing	Projections	$11,502.17	1,022,682,821.5567		1710
1	6	University Recreation Center	Shell	Roofing	Roof Opening	$122,906.25	1,022,805,727.8024		1470
1	6	Turnbull Research Lab	Shell	Roofing	Roof Coverings	$46,008.69	1,022,851,736.4899		1710
1	6	Sutton Hall	Shell	Roofing	Projections	$54,692.64	1,022,906,429.1318		1112
1	6	Computing and Engineering Sciences Bldg	Shell	Roofing	Roof Coverings	$822,481.91	1,023,728,911.0405		1160
1	6	Plant Utilities	Shell	Roofing	Projections	$10,272.92	1,023,739,183.9609		1106
1	6	Plant Utilities	Shell	Roofing	Roof Coverings	$41,091.68	1,023,780,275.6423		1106
1	6	Plant Utilities	Shell	Roofing	Roof Opening	$25,682.30	1,023,805,957.9414		1106
1	6	President's House	Shell	Roofing	Projections	$5,630.35	1,023,811,588.2876		1184
1	6	University Recreational Center	Shell	Roofing	Roof Opening	$493,719.73	1,024,305,308.0204		1470
1	6	President's House	Shell	Roofing	Roof Coverings	$22,521.38	1,024,327,829.4052		1184
1	6	Computing and Engineering Sciences Bldg	Shell	Roofing	Projections	$205,620.48	1,024,533,449.8824		1160
1	6	Hargreaves Hall	Shell	Roofing	Roof Opening	$295,818.59	1,024,829,268.4721		1181
1	6	Hargreaves Hall	Shell	Roofing	Roof Coverings	$473,309.78	1,025,302,578.2486		1181
1	6	Woodward Field Concessions	Shell	Roofing	Projections	$3,194.96	1,025,305,773.2051		1370
1	6	University Recreational Center	Shell	Roofing	Projections	$197,487.91	1,025,503,261.1120		1470
1	6	PE Classroom Building	Shell	Roofing	Roof Opening	$174,726.08	1,025,677,987.1959		1325
1	6	Surbeck Services	Shell	Roofing	Projections	$58,362.53	1,025,736,349.7211		1450
1	6	University Recreation Center	Shell	Roofing	Projections	$49,162.50	1,025,785,512.2228		1470

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
1	6	University Recreational Center	Shell	Roofing	Projections	$197,487.91	1,025,983,000.1297		1470
1	6	University Recreational Center	Shell	Roofing	Roof Opening	$493,719.73	1,026,476,719.8625		1470
1	6	Woodward Field Concessions	Shell	Roofing	Roof Coverings	$12,779.83	1,026,489,499.6885		1370
1	6	Surbeck Services	Shell	Roofing	Roof Opening	$145,906.30	1,026,635,405.9913		1450
1	6	Surbeck Services	Shell	Roofing	Roof Coverings	$233,450.10	1,026,868,856.0921		1450
1	6	Computing and Engineering Sciences Bldg	Shell	Roofing	Roof Opening	$514,051.16	1,027,382,907.2492		1160
1	6	Substation	Shell	Roofing	Projections	$3,878.28	1,027,386,785.5293		1455
1	6	Substation	Shell	Roofing	Roof Coverings	$15,513.12	1,027,402,298.6498		1455
1	6	Substation	Shell	Roofing	Roof Opening	$9,695.70	1,027,411,994.3495		1455
1	6	Hargreaves Hall	Shell	Roofing	Projections	$118,327.44	1,027,530,321.7936		1181
1	6	Practice Field Toilets	Shell	Roofing	Projections	$1,387.92	1,027,531,709.7151		1395
1	6	Patterson Hall	Shell	Roofing	Projections	$296,257.51	1,027,827,967.2255		1175
1	6	University Recreation Center	Shell	Roofing	Roof Opening	$122,906.25	1,027,950,873.4712		1470
1	6	Practice Field Toilets	Shell	Roofing	Roof Coverings	$5,551.69	1,027,956,425.1570		1395
1	6	Practice Field Toilets	Shell	Roofing	Roof Opening	$3,469.80	1,027,959,894.9604		1395
1	6	Surplus Sales Building	Shell	Roofing	Roof Coverings	$57,881.60	1,028,017,776.5624		1610
1	6	Surplus Sales Building	Shell	Roofing	Projections	$14,470.40	1,028,032,246.9629		1610
1	6	Governor Martin House	Shell	Roofing	Projections	$6,342.90	1,028,038,589.8661		1196
1	6	Patterson Hall	Shell	Roofing	Roof Opening	$740,643.72	1,028,779,233.5903		1175
1	6	University Recreation Center	Shell	Roofing	Projections	$49,162.50	1,028,828,396.0920		1470
1	6	Patterson Hall	Shell	Roofing	Roof Coverings	$1,185,030.04	1,030,013,426.1334		1175
1	6	One Room School House	Shell	Roofing	Roof Opening	$5,342.04	1,030,018,768.1732		1127
1	6	One Room School House	Shell	Roofing	Roof Coverings	$8,547.26	1,030,027,315.4375		1127
1	6	One Room School House	Shell	Roofing	Projections	$2,136.82	1,030,029,452.2536		1127
1	6	President's Garage	Shell	Roofing	Roof Coverings	$3,374.49	1,030,032,826.7449		1185
1	6	President's Garage	Shell	Roofing	Projections	$843.62	1,030,033,670.3677		1185
1	7	University Recreation Center	Shell	Exterior Closure	Exterior Doors	$73,743.75	1,030,107,414.1174		1470
1	7	Substation	Shell	Exterior Closure	Exterior Windows	$25,208.82	1,030,132,622.9376		1455
1	7	University Recreation Center	Shell	Exterior Closure	Exterior Windows	$319,556.25	1,030,452,179.1902		1470
1	7	University Recreational Center	Shell	Exterior Closure	Exterior Walls	$2,863,574.43	1,033,315,753.6219		1470
1	7	Substation	Shell	Exterior Closure	Exterior Doors	$5,817.42	1,033,321,571.0419		1455
1	7	Woodward Field Press Box	Shell	Exterior Closure	Exterior Windows	$77,783.96	1,033,399,354.9981		1385
1	7	Practice Field Toilets	Shell	Exterior Closure	Exterior Windows	$9,021.49	1,033,408,376.4873		1395
1	7	Pence Union Building	Shell	Exterior Closure	Exterior Windows	$1,387,007.52	1,034,795,384.0035		1172
1	7	University Recreational Center	Shell	Exterior Closure	Exterior Walls	$2,863,574.43	1,037,658,958.4352		1470
1	7	Substation	Shell	Exterior Closure	Exterior Walls	$56,235.06	1,037,715,193.4929		1455
1	7	Patterson Hall	Shell	Exterior Closure	Exterior Walls	$4,295,733.57	1,042,010,927.0654		1175
1	7	Computing and Engineering Sciences Bldg	Shell	Exterior Closure	Exterior Windows	$1,336,533.07	1,043,347,460.1312		1160
1	7	Showalter Hall	Shell	Exterior Closure	Exterior Doors	$221,828.89	1,043,569,289.0253		1103
1	7	Computing and Engineering Sciences Bldg	Shell	Exterior Closure	Exterior Doors	$308,430.70	1,043,877,719.7291		1160
1	7	University Recreation Center	Shell	Exterior Closure	Exterior Walls	$712,856.22	1,044,590,575.9496		1470
1	7	Hargreaves Hall	Shell	Exterior Closure	Exterior Doors	$177,491.16	1,044,768,067.1089		1181
1	7	Visitor Center	Shell	Exterior Closure	Exterior Doors	$5,673.78	1,044,773,740.8889		1109
1	7	One Room School House	Shell	Exterior Closure	Exterior Windows	$13,889.30	1,044,787,630.1930		1127
1	7	University Recreational Center	Shell	Exterior Closure	Exterior Windows	$1,283,671.36	1,046,071,301.5534		1470
1	7	University Recreational Center	Shell	Exterior Closure	Exterior Doors	$296,231.85	1,046,367,533.4023		1470
1	7	Visitor Center	Shell	Exterior Closure	Exterior Walls	$54,846.54	1,046,422,379.9400		1109
1	7	University Recreational Center	Shell	Exterior Closure	Exterior Windows	$1,283,671.36	1,047,706,051.3004		1470
1	7	Practice Field Toilets	Shell	Exterior Closure	Exterior Doors	$2,081.88	1,047,708,133.1825		1395
1	7	Woodward Field Press Box	Shell	Exterior Closure	Exterior Doors	$17,950.14	1,047,726,083.3260		1385
1	7	Patterson Hall	Shell	Exterior Closure	Exterior Windows	$1,925,673.77	1,049,651,757.0916		1175
1	7	University Recreational Center	Shell	Exterior Closure	Exterior Doors	$296,231.85	1,049,947,988.9405		1470
1	7	Hargreaves Hall	Shell	Exterior Closure	Exterior Windows	$769,128.37	1,050,717,117.3067		1181
1	7	Pence Union Building	Shell	Exterior Closure	Exterior Doors	$320,078.65	1,051,037,195.9605		1172
1	7	One Room School House	Shell	Exterior Closure	Exterior Doors	$3,205.22	1,051,040,401.1845		1127
1	7	Pence Union Building	Shell	Exterior Closure	Exterior Walls	$3,094,093.54	1,054,134,494.7216		1172
1	7	Visitor Center	Shell	Exterior Closure	Exterior Windows	$24,586.38	1,054,159,081.1018		1109
1	7	Practice Field Toilets	Shell	Exterior Closure	Exterior Walls	$20,124.86	1,054,179,205.9614		1395
1	7	University Recreation Center	Shell	Exterior Closure	Exterior Walls	$712,856.22	1,054,892,062.1819		1470
1	7	University Recreation Center	Shell	Exterior Closure	Exterior Windows	$319,556.25	1,055,211,618.4345		1470
1	7	Computing and Engineering Sciences Bldg	Shell	Exterior Closure	Exterior Walls	$2,981,496.69	1,058,193,115.1263		1160
1	7	University Recreation Center	Shell	Exterior Closure	Exterior Doors	$73,743.75	1,058,266,858.8760		1470
1	7	Snyamncut Hall	Shell	Exterior Closure	Exterior Windows	$1,263,712.28	1,059,530,571.1542		1467
1	7	Patterson Hall	Shell	Exterior Closure	Exterior Doors	$444,386.25	1,059,974,957.4025		1175
1	7	Snyamncut Hall	Shell	Exterior Closure	Exterior Walls	$2,819,050.33	1,062,794,007.7300		1467
1	7	Snyamncut Hall	Shell	Exterior Closure	Exterior Doors	$291,625.91	1,063,085,633.6369		1467
1	8	Snyamncut Hall	Shell	Superstructure	Roof Construction	$2,333,007.26	1,065,418,640.8919		1467
1	8	Snyamncut Hall	Shell	Superstructure	Floor Construction	$3,499,510.70	1,068,918,151.5933		1467
1	8	University Recreation Center	Shell	Superstructure	Roof Construction	$589,950.00	1,069,508,101.5910		1470
1	8	University Recreation Center	Shell	Superstructure	Roof Construction	$589,950.00	1,070,098,051.5887		1470
1	8	Computing and Engineering Sciences Bldg	Shell	Superstructure	Roof Construction	$2,467,445.63	1,072,565,497.2192		1160
1	8	Practice Field Toilets	Shell	Superstructure	Floor Construction	$24,982.58	1,072,590,479.8032		1395
1	8	University Recreational Center	Shell	Superstructure	Floor Construction	$3,554,782.00	1,076,145,261.8056		1470
1	8	University Recreation Center	Shell	Superstructure	Floor Construction	$884,924.95	1,077,030,186.7564		1470
1	8	University Recreational Center	Shell	Superstructure	Floor Construction	$3,554,782.00	1,080,584,968.7588		1470
1	8	University Recreational Center	Shell	Superstructure	Roof Construction	$2,369,854.79	1,082,954,823.5497		1470
1	8	University Recreational Center	Shell	Superstructure	Roof Construction	$2,369,854.79	1,085,324,678.3406		1470
1	8	University Recreation Center	Shell	Superstructure	Floor Construction	$884,924.95	1,086,209,603.2914		1470
1	8	Visitor Center	Shell	Superstructure	Roof Construction	$45,390.24	1,086,254,993.5312		1109
1	8	Hargreaves Hall	Shell	Superstructure	Floor Construction	$2,129,893.80	1,088,384,887.3328		1181
1	8	Hargreaves Hall	Shell	Superstructure	Roof Construction	$1,419,929.27	1,089,804,816.6073		1181
1	8	Practice Field Toilets	Shell	Superstructure	Roof Construction	$16,655.06	1,089,821,471.6642		1395
1	8	Patterson Hall	Shell	Superstructure	Floor Construction	$5,332,634.70	1,095,154,106.3677		1175
1	8	Patterson Hall	Shell	Superstructure	Roof Construction	$3,555,089.99	1,098,709,196.3540		1175
1	8	Woodward Field Press Box	Shell	Superstructure	Roof Construction	$143,601.15	1,098,852,797.5022		1385
1	8	Visitor Center	Shell	Superstructure	Floor Construction	$68,085.36	1,098,920,882.8584		1109

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
1	8	Computing and Engineering Sciences Bldg	Shell	Superstructure	Floor Construction	$3,701,168.25	1,102,622,051.1126		1160
1	8	Substation	Shell	Superstructure	Roof Construction	$46,539.36	1,102,668,590.4724		1455
1	8	Substation	Shell	Superstructure	Floor Construction	$69,809.04	1,102,738,399.5085		1455
1	9	University Recreation Center	Interiors	Staircases	Stair Construction	$208,940.63	1,102,947,340.1422		1470
1	9	Snyamncut Hall	Interiors	Staircases	Stair Finishes	$145,812.95	1,103,093,153.0956		1467
1	9	University Recreational Center	Interiors	Staircases	Stair Construction	$839,323.61	1,103,932,476.7057		1470
1	9	Hargreaves Hall	Interiors	Staircases	Stair Construction	$502,891.64	1,104,435,368.3467		1181
1	9	University Recreation Center	Interiors	Staircases	Stair Finishes	$36,871.87	1,104,472,240.2216		1470
1	9	Pence Union Building	Interiors	Staircases	Stair Construction	$906,889.56	1,105,379,129.7820		1172
1	9	Patterson Hall	Interiors	Staircases	Stair Construction	$1,259,094.43	1,106,638,224.2096		1175
1	9	Computing and Engineering Sciences Bldg	Interiors	Staircases	Stair Construction	$873,887.03	1,107,512,111.2436		1160
1	9	Patterson Hall	Interiors	Staircases	Stair Finishes	$222,193.12	1,107,734,304.3677		1175
1	9	Snyamncut Hall	Interiors	Staircases	Stair Construction	$826,273.44	1,108,560,577.8082		1467
1	9	University Recreation Center	Interiors	Staircases	Stair Finishes	$36,871.87	1,108,597,449.6831		1470
1	9	University Recreational Center	Interiors	Staircases	Stair Construction	$839,323.61	1,109,436,773.2932		1470
1	9	Monroe Hall	Interiors	Staircases	Stair Construction	$436,965.72	1,109,873,739.0165		1118
1	9	Hargreaves Hall	Interiors	Staircases	Stair Finishes	$88,745.58	1,109,962,484.5962		1181
1	9	University Recreational Center	Interiors	Staircases	Stair Finishes	$148,115.92	1,110,110,600.5206		1470
1	9	University Recreation Center	Interiors	Staircases	Stair Construction	$208,940.63	1,110,319,541.1543		1470
1	9	Visitor Center	Interiors	Staircases	Stair Finishes	$2,836.89	1,110,322,378.0443		1109
1	9	University Recreational Center	Interiors	Staircases	Stair Finishes	$148,115.92	1,110,470,493.9687		1470
1	9	Pence Union Building	Interiors	Staircases	Stair Finishes	$160,039.33	1,110,630,533.2956		1172
1	9	Visitor Center	Interiors	Staircases	Stair Construction	$16,075.71	1,110,646,609.0063		1109
1	9	Monroe Hall	Interiors	Staircases	Stair Finishes	$77,111.59	1,110,723,720.6010		1118
1	10	Hargreaves Hall	Interiors	Interior Construction	Specialties	$443,727.88	1,111,167,448.4855		1181
1	10	Hargreaves Hall	Interiors	Interior Construction	Interior Doors	$680,382.77	1,111,847,831.2583		1181
1	10	Practice Field Toilets	Interiors	Interior Construction	Interior Doors	$7,980.55	1,111,855,811.8063		1395
1	10	University Recreational Center	Interiors	Interior Construction	Specialties	$740,579.60	1,112,596,391.4055		1470
1	10	University Recreational Center	Interiors	Interior Construction	Specialties	$740,579.60	1,113,336,971.0047		1470
1	10	Practice Field Toilets	Interiors	Interior Construction	Specialties	$5,204.71	1,113,342,175.7098		1395
1	10	University Recreation Center	Interiors	Interior Construction	Interior Doors	$282,684.37	1,113,624,860.0818		1470
1	10	Patterson Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$3,851,347.53	1,117,476,207.6129		1175
1	10	University Recreational Center	Interiors	Interior Construction	Interior Doors	$1,135,555.41	1,118,611,763.0259		1470
1	10	University Recreational Center	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,567,342.72	1,121,179,105.7467		1470
1	10	University Recreational Center	Interiors	Interior Construction	Interior Doors	$1,135,555.41	1,122,314,661.1597		1470
1	10	Pence Union Building	Interiors	Interior Construction	Interior Doors	$1,226,968.16	1,123,541,629.3242		1172
1	10	Visitor Center	Interiors	Interior Construction	Fixed and Moveable Partitions	$49,172.76	1,123,590,802.0846		1109
1	10	Visitor Center	Interiors	Interior Construction	Specialties	$14,184.45	1,123,604,986.5341		1109
1	10	Snyamncut Hall	Interiors	Interior Construction	Interior Doors	$1,117,899.30	1,124,722,885.8362		1467
1	10	Snyamncut Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,527,424.56	1,127,250,310.3926		1467
1	10	Visitor Center	Interiors	Interior Construction	Interior Doors	$21,749.49	1,127,272,059.8824		1109
1	10	Computing and Engineering Sciences Bldg	Interiors	Interior Construction	Interior Doors	$1,182,317.69	1,128,454,377.5724		1160
1	10	Practice Field Toilets	Interiors	Interior Construction	Fixed and Moveable Partitions	$18,042.98	1,128,472,420.5509		1395
1	10	Computing and Engineering Sciences Bldg	Interiors	Interior Construction	Specialties	$771,076.74	1,129,243,497.2865		1160
1	10	University Recreation Center	Interiors	Interior Construction	Fixed and Moveable Partitions	$639,112.51	1,129,882,609.7917		1470
1	10	One Room School House	Interiors	Interior Construction	Fixed and Moveable Partitions	$27,778.61	1,129,910,388.3999		1127
1	10	University Recreation Center	Interiors	Interior Construction	Fixed and Moveable Partitions	$639,112.51	1,130,549,500.9051		1470
1	10	Pence Union Building	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,774,015.03	1,133,323,515.9375		1172
1	10	Hargreaves Hall	Interiors	Interior Construction	Fixed and Moveable Partitions	$1,538,256.73	1,134,861,772.6699		1181
1	10	Patterson Hall	Interiors	Interior Construction	Specialties	$1,110,965.59	1,135,972,738.2561		1175
1	10	Computing and Engineering Sciences Bldg	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,673,066.13	1,138,645,804.3877		1160
1	10	University Recreational Center	Interiors	Interior Construction	Fixed and Moveable Partitions	$2,567,342.72	1,141,213,147.1085		1470
1	10	One Room School House	Interiors	Interior Construction	Interior Doors	$12,286.69	1,141,225,433.8004		1127
1	10	University Recreation Center	Interiors	Interior Construction	Specialties	$184,359.37	1,141,409,793.1690		1470
1	10	Pence Union Building	Interiors	Interior Construction	Specialties	$800,196.61	1,142,209,989.7786		1172
1	10	University Recreation Center	Interiors	Interior Construction	Specialties	$184,359.37	1,142,394,349.1472		1470
1	10	University Recreation Center	Interiors	Interior Construction	Interior Doors	$282,684.37	1,142,677,033.5192		1470
1	10	Snyamncut Hall	Interiors	Interior Construction	Specialties	$729,064.74	1,143,406,098.2638		1467
1	10	Substation	Interiors	Interior Construction	Interior Doors	$22,300.11	1,143,428,398.3736		1455
1	10	Patterson Hall	Interiors	Interior Construction	Interior Doors	$1,703,480.61	1,145,131,878.9805		1175
1	10	Woodward Field Press Box	Interiors	Interior Construction	Fixed and Moveable Partitions	$155,567.91	1,145,287,446.8930		1385
1	10	Woodward Field Press Box	Interiors	Interior Construction	Interior Doors	$68,808.88	1,145,356,255.7761		1385
1	11	University Recreational Center	Interiors	Interior Finishes	Floor Finishes	$2,122,994.97	1,147,479,250.7466		1470
1	11	Visitor Center	Interiors	Interior Finishes	Floor Finishes	$40,662.09	1,147,519,912.8375		1109
1	11	Visitor Center	Interiors	Interior Finishes	Ceiling Finishes	$20,803.86	1,147,540,716.6971		1109
1	11	Computing and Engineering Sciences Bldg	Interiors	Interior Finishes	Ceiling Finishes	$1,130,912.56	1,148,671,629.2618		1160
1	11	Visitor Center	Interiors	Interior Finishes	Wall Finishes	$23,640.75	1,148,695,270.0119		1109
1	11	Monroe Hall	Interiors	Interior Finishes	Floor Finishes	$1,105,266.22	1,149,800,536.2306		1118
1	11	Practice Field Toilets	Interiors	Interior Finishes	Floor Finishes	$14,920.16	1,149,815,456.3861		1395
1	11	Snyamncut Hall	Interiors	Interior Finishes	Floor Finishes	$2,089,985.72	1,151,905,442.1049		1467
1	11	Practice Field Toilets	Interiors	Interior Finishes	Wall Finishes	$8,674.51	1,151,914,116.6137		1395
1	11	Snyamncut Hall	Interiors	Interior Finishes	Ceiling Finishes	$1,069,294.98	1,152,983,411.5905		1467
1	11	Patterson Hall	Interiors	Interior Finishes	Wall Finishes	$1,851,609.38	1,154,835,020.9699		1175
1	11	University Recreation Center	Interiors	Interior Finishes	Floor Finishes	$528,496.89	1,155,363,517.8562		1470
1	11	University Recreation Center	Interiors	Interior Finishes	Ceiling Finishes	$270,393.75	1,155,633,911.6013		1470
1	11	Practice Field Toilets	Interiors	Interior Finishes	Ceiling Finishes	$7,633.57	1,155,641,545.1689		1395
1	11	University Recreation Center	Interiors	Interior Finishes	Ceiling Finishes	$270,393.75	1,155,911,938.9140		1470
1	11	Patterson Hall	Interiors	Interior Finishes	Ceiling Finishes	$1,629,416.22	1,157,541,355.1347		1175
1	11	Monroe Hall	Interiors	Interior Finishes	Ceiling Finishes	$565,485.02	1,158,106,840.1545		1118
1	11	University Recreation Center	Interiors	Interior Finishes	Floor Finishes	$528,496.89	1,158,635,337.0408		1470
1	11	Hargreaves Hall	Interiors	Interior Finishes	Ceiling Finishes	$650,800.91	1,159,286,137.9491		1181
1	11	Hargreaves Hall	Interiors	Interior Finishes	Floor Finishes	$1,272,020.01	1,160,558,157.9563		1181
1	11	Hargreaves Hall	Interiors	Interior Finishes	Wall Finishes	$739,546.50	1,161,297,704.4580		1181
1	11	Childcare Facility	Interiors	Interior Finishes	Wall Finishes	$123,565.31	1,161,421,269.7708		1154
1	11	Patterson Hall	Interiors	Interior Finishes	Floor Finishes	$3,184,768.19	1,164,606,037.9640		1175
1	11	Snyamncut Hall	Interiors	Interior Finishes	Wall Finishes	$1,215,107.95	1,165,821,145.9169		1467

Score	System Significance Rank	Facility Name	Uniformat Category Level 1	Uniformat System Level 2	Uniformat Component Level 3	Estimated Project Cost	Project Cost Running Total	Fiscal Year Complete	Building Number
1	11	University Recreation Center	Interiors	Interior Finishes	Wall Finishes	$307,265.63	1,166,128,411.5426		1470
1	11	Pence Union Building	Interiors	Interior Finishes	Wall Finishes	$1,333,661.07	1,167,462,072.6082		1172
1	11	Woodward Field Toilets	Interiors	Interior Finishes	Wall Finishes	$31,692.07	1,167,493,764.6780		1365
1	11	University Recreational Center	Interiors	Interior Finishes	Ceiling Finishes	$1,086,183.43	1,168,579,948.1085		1470
1	11	Pence Union Building	Interiors	Interior Finishes	Ceiling Finishes	$1,173,621.71	1,169,753,569.8224		1172
1	11	Pence Union Building	Interiors	Interior Finishes	Floor Finishes	$2,293,897.08	1,172,047,466.8990		1172
1	11	University Recreational Center	Interiors	Interior Finishes	Floor Finishes	$2,122,994.97	1,174,170,461.8695		1470
1	11	Woodward Field Press Box	Interiors	Interior Finishes	Wall Finishes	$74,792.27	1,174,245,254.1347		1385
1	11	University Recreational Center	Interiors	Interior Finishes	Wall Finishes	$1,234,299.38	1,175,479,553.5126		1470
1	11	University Recreational Center	Interiors	Interior Finishes	Ceiling Finishes	$1,086,183.43	1,176,565,736.9431		1470
1	11	One Room School House	Interiors	Interior Finishes	Ceiling Finishes	$11,752.49	1,176,577,489.4309		1127
1	11	One Room School House	Interiors	Interior Finishes	Floor Finishes	$22,970.77	1,176,600,460.2034		1127
1	12	Computing and Engineering Sciences Bldg	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$154,215.35	1,176,754,675.5553		1160
1	12	Hargreaves Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$88,745.58	1,176,843,421.1350		1181
1	12	Cheney Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$113,448.34	1,176,956,869.4721		1163
1	12	Hargreaves Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$207,073.02	1,177,163,942.4959		1181
1	12	Snyamncut Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$340,230.23	1,177,504,172.7281		1467
1	12	Pence Union Building	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$533,464.41	1,178,037,637.1345		1172
1	12	Patterson Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$222,193.12	1,178,259,830.2586		1175
1	12	Pence Union Building	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$160,039.33	1,178,419,869.5855		1172
1	12	PE Classroom Building	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$122,308.27	1,178,542,177.8507		1325
1	12	Pence Union Building	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$373,425.10	1,178,915,602.9550		1172
1	12	Patterson Hall	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$518,450.63	1,179,434,053.5895		1175
1	12	Woodward Field Press Box	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$8,975.07	1,179,443,028.6613		1385
1	12	Senior Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$82,480.28	1,179,525,508.9435		1187
1	12	Red Barn	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$13,097.27	1,179,538,606.2182		1205
1	12	Pence Union Building	Special Construction	Special Construction	Special Controls and Instrumentation	$533,464.41	1,180,072,070.6246		1172
1	12	University Recreational Center	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$493,719.73	1,180,565,790.3574		1470
1	12	One Room School House	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$1,602.61	1,180,567,392.9694		1127
1	12	Snyamncut Hall	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$145,812.95	1,180,713,205.9228		1467
1	12	University Recreation Center	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$36,871.87	1,180,750,077.7977		1470
1	12	University Recreation Center	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$86,034.38	1,180,836,112.1743		1470
1	12	University Recreational Center	Special Construction	Special Construction	Special Controls and Instrumentation	$493,719.73	1,181,329,831.9071		1470
1	12	University Recreation Center	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$36,871.87	1,181,366,703.7820		1470
1	12	University Recreation Center	Special Construction	Special Construction	Integrated Constr. & Special Constr. Systems	$122,906.25	1,181,489,610.0277		1470
1	12	University Recreational Center	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$345,603.83	1,181,835,213.8590		1470
1	12	University Recreational Center	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$148,115.92	1,181,983,329.7834		1470
1	12	Visitor Center	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$2,836.89	1,181,986,166.6734		1109
1	12	University Recreation Center	Special Construction	Special Construction	Special Controls and Instrumentation	$122,906.25	1,182,109,072.9191		1470
1	12	University Recreational Center	Equipment and Furnishings	Equipment and Furnishings	Moveable Furnishings (Capital Funded Only)	$148,115.92	1,182,257,188.8435		1470
1	12	University Recreational Center	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$345,603.83	1,182,602,792.6748		1470
1	12	University Recreation Center	Equipment and Furnishings	Equipment and Furnishings	Fixed Furnishings and Equipment	$86,034.38	1,182,688,827.0514		1470
1	13	Substation	Substructure	Foundations	Slab on Grade	$27,147.96	1,182,715,975.0119		1455
1	13	Woodward Field Press Box	Substructure	Foundations	Standard Foundations	$125,651.00	1,182,841,626.0138		1385
1	13	University Recreational Center	Substructure	Foundations	Standard Foundations	$2,073,622.90	1,184,915,248.9098		1470
1	13	Computing and Engineering Sciences Bldg	Substructure	Foundations	Standard Foundations	$2,159,014.88	1,187,074,263.7886		1160
1	13	University Recreational Center	Substructure	Foundations	Slab on Grade	$1,382,415.33	1,188,456,679.1139		1470
1	13	Showalter Hall	Substructure	Foundations	Standard Foundations	$1,552,802.22	1,190,009,481.3385		1103
1	13	Practice Field Toilets	Substructure	Foundations	Standard Foundations	$14,573.17	1,190,024,054.5129		1395
1	13	University Recreational Center	Substructure	Foundations	Standard Foundations	$2,073,622.90	1,192,097,677.4089		1470
1	13	University Recreational Center	Substructure	Foundations	Slab on Grade	$1,382,415.33	1,193,480,092.7342		1470
1	13	Showalter Hall	Substructure	Foundations	Slab on Grade	$1,035,201.53	1,194,515,294.2632		1103
1	13	Substation	Substructure	Foundations	Standard Foundations	$40,721.94	1,194,556,016.2021		1455
1	13	University Recreation Center	Substructure	Foundations	Standard Foundations	$516,206.24	1,195,072,222.4387		1470
1	13	Practice Field Toilets	Substructure	Foundations	Slab on Grade	$9,715.45	1,195,081,937.8888		1395
1	13	Patterson Hall	Substructure	Foundations	Standard Foundations	$3,110,703.67	1,198,192,641.5578		1175
1	13	Patterson Hall	Substructure	Foundations	Slab on Grade	$2,073,802.54	1,200,266,444.0958		1175
1	13	University Recreation Center	Substructure	Foundations	Slab on Grade	$344,137.51	1,200,610,581.6021		1470
1	13	University Recreation Center	Substructure	Foundations	Standard Foundations	$516,206.24	1,201,126,787.8387		1470
1	13	Visitor Center	Substructure	Foundations	Slab on Grade	$26,477.64	1,201,153,265.4792		1109
1	13	Visitor Center	Substructure	Foundations	Standard Foundations	$39,716.46	1,201,192,981.9382		1109
1	13	University Recreation Center	Substructure	Foundations	Slab on Grade	$344,137.51	1,201,537,119.4445		1470
1	13	Snyamncut Hall	Substructure	Foundations	Slab on Grade	$1,360,920.93	1,202,898,040.3734		1467
1	13	Snyamncut Hall	Substructure	Foundations	Standard Foundations	$2,041,381.30	1,204,939,421.6763		1467
1	13	One Room School House	Substructure	Foundations	Standard Foundations	$22,436.57	1,204,961,858.2437		1127

OFM

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000070
Project Title: Infrastructure Renewal III

Project Class: Preservation

Description

Starting Fiscal Year: 2022
Agency Priority: 2

Project Summary

Infrastructure Renewal III is the third phase to replace and upgrade infrastructure on Eastern Washington University's Cheney Campus. It includes upgrade to Steam Production and Distribution, Chilled Water Production and distribution, Sanitary and Storm Sewer Management and Medium Voltage Electrical system improvements.

Project Description

What is the problem/opportunity? Identify: priority, underserved people/communities, operating budget savings, public safety improvements & clarifying details. Preservation projects: include information about the current condition of the facility/system.

Out major capital request proposal includes **sub-sections** entitled **Central Steam Production, Chilled Water Production, Medium Voltage Electrical Distribution,** and **Water Resource Systems.** A heading for each will be included in each specific criteria category for clarity.

Eastern Washington University is requesting $25,518,000 for Infrastructure Renewal III in the Infrastructure category.

Eastern's FY2019-21 proposal requested $24,959,000 and scored the highest in its category but only about 50% of the request was allocated. In FY2017-19, regretfully no funds were appropriated to the EWU Infrastructure Master Plan by the legislature. Fortunately during this timeframe, no major failure or significant disruption to the Steam, Chilled Water, or Medium Voltage Electrical systems has occurred. This request builds on the FY2019-21 request.

Due to the reduced funding allocation over the previous four years some of the FY2019-21 allocated funds were directed to increasing emergent needs related to our infrastructure. The majority of the funds has gone toward the Infrastructure Master Plan, albeit in at least a piecemeal basis. As an example, time had taken its toll on the existing boiler controls computer system and once received FY2019-21 funds were immediately made available for the design and installation of a replacement boiler burner management control system. This new system provides a stable operating environment with the latest in industrial direct digital controls (DDC) technology and has become an important component in the modernization of this plant. We estimate the increased boiler efficiencies of between 3% and 5% will save approximately $45,000 and $75,000. In addition, this investment will be compatible with new boiler technology project currently under design.

Eastern Washington University's Cheney campus consists of approximately 70 individual buildings comprising almost 3,000,000 gross square feet of academic and student support facilities whereby university-owned infrastructure provide all heating, cooling, electrical, and other building utility needs to these facilities. University plant operators have operated and maintained the boilers (60 years old max) and chillers (22 years max) with great care and as a result the equipment has functioned well beyond their expected lifecycle. However regardless of the professional care and maintenance given to these units, it's time to begin cyclic replacement of the older inefficient boilers, chillers, and electrical components.

This infrastructure includes: Steam generation and distribution (Campus Winter Building Heat); Chilled water production and distribution (Campus Summer Building Air Conditioning and constant cooling for specialty systems); Fire protection and Domestic Water production and delivery (To 70 campus buildings); Sanitary sewer and storm sewer water collection and disposal to the City of Cheney; Central building automation and energy management systems (Energy efficiency and GHG reductions); And, Emergency vehicle access and other campus site improvements required by Code or other Statute (Federal, State and Local Building Code). These infrastructure systems are mission critical to daily life at Eastern Washington University and support the university's primary goal of student success. The Rozell Central Energy Facility is located at the north end of campus and was originally constructed in 1967. This plant is the heart of the campus where all steam heat, chilled water building cooling, and electrical power distribution originate. Once produced, auxiliary systems distribute these services through approximately 3 miles of utility tunnels across campus.

Significant Health, Safety and Code issues:

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Description

-Local Jurisdictional Model Code IPMC 2015 Section 602.4 – Heating Public Facilities
-Local Jurisdictional Model Code IBC 2018 Section 1203.1 N + 1 redundancy
-Local Jurisdictional Model Code IMC 2018 Section 309.1 Equipment and Systems
-Local Jurisdictional Model Code 2018 IPMC Section 603.1 Mechanical Appliances
-2015 Washington Energy Code – Commercial Provisions Section C403.2.3 (5) Minimum and HVAC -Equipment Performance Requirements
-Efficiency Requirements Gas Fired Boilers – Steam greater than 2,500,000 BTU/HR
-Local Jurisdictional Model Code IBS2018 Section 1613.1 - Seismic Restraints
-Electrical Safety of EWU Electrical Shop Workers – The current usage/installation of SF6 (sulfur-hexafluoride) circuit breaker in the EWU utility tunnel presents (3) operational safety issues in the following codes:
1. 2017 National Electrical Safety Code (NESC) C2-2017 Section 443 – Work on Energized Lines and Equipment – Gas Insulated Equipment
2. USEPA Office of Air and Radiation – Catalog of Guidelines and Standards for the Handling and Management of Sulfur Hexafluoride (SF6)
3. 2017 National Electrical Safety Code (NESC) C2-207 Section 12 Installation and Maintenance of Equipment, Working Space over 600 volts
-OSHA Confined Work Space Definition

What will the request produce or construct (predesign/design of a building, additional space, etc.)? When will the project start/end? Identify if the project can be phased, and if so, which phase is included in the request. Provide detailed cost backup.
This request is for a Major Project in the Infrastructure category. This will include design and construction funds for this phase of the project.

This is a multi-biennial phased project that the university has attempted to request over a three biennial process. In each subsequent biennia, the university's request have not been fully approved or appropriated. This has required Eastern to go back and request additional funding and pushed out the project to more than three biennia. With funds we have been appropriated we have made substantial process, at reduced cost in attaining the upgrade of all university infrastructure. We have prioritized this projects to make the biggest positive impact each biennium, even with reduced approved funding.

In 2014 Eastern partnered with mechanical, electrical, and civil professional engineering consultants to examine each major utility system for current condition assessment, lifecycle renewal/replacement, potential energy savings, and sustainable upgrades. The systems that were examined include campus electrical power distribution as well as steam and chilled water production and distribution systems, and domestic water distribution system. Included in this overall study were recommendations for short and long-term actions to reduce potential failures, lower maintenance costs, increase worker safety and improve efficiencies, and to identify potential alternate energy sources for future production of utilities.

How would the request address the problem or opportunity identified in question 1? What would be the result of not taking action?
University infrastructure and central plant are similar to support of a small town our city. These system provide operational function to every building and other facility on campus. If these systems do not operation the university does not operate. The production and distribution of these utilities are a major cost to university operations. The more efficient they are the less cost they generate.

If these systems are not upgraded within the reasonable timeline of their respective live cycles the outcomes could be catastrophic. Even smaller failures and repairs cause disruption to daily campus operations and repair costs are substantial. Replacement of components and systems are the best way to insure that failures are not imminent, systems operate correctly and can be maintained as a reasonable costs to the university.

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Description

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.
Through qualified consultants Eastern Facilities has evaluated a variety of alternatives to system upgrades for the past several biennia. Those studies are a part of our major capital requests and are available as needed for review. The studies review models that best fit the campus needs and alternatives that fit those needs.

Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.
Literally all of the programs on the Cheney campus are reliant on the utilities and infrastructure systems that are described in this request. The central energy plants operations provide all of the heating, cooling, building power, and domestic and sanitary sewer water for use in all of the buildings on campus as well as the Washington State Patrol Crime Laboratory and the Washington State Archives, both located on campus. The various forms of network communications are transported through the tunnel system on campus. Facilities staff operate and maintain all of the various pieces of equipment that are required to deliver these utilities, providing a safe and comfortable academic atmosphere for instruction and other campus activities.

These infrastructure systems are by their very nature tied to each facility, and support every program on campus. Eastern's goal of student success and as an "Institution of Innovation" are fully represented with this project which promotes student success through a safe, healthy, and supportive environment. This Capital Budget Request reflects the additional design effort based on the above noted strategy which was initially requested in the FY2015-17 Capital Budget Request Cycle. With the partial funding received a phase of the Master Plan design was accomplished, and construction contracts for some of the infrastructure needing replacement accomplished. This current FY2021-23 request continues with the work of replacement of major infrastructure required to support the new Interdisciplinary Science Center which is currently under construction, the proposed remodel of the existing Science building, and the proposed new Engineering Building, as well as the other listed project funding needs noted in this proposal.

Does this project or program leverage non-state funding? If yes, how much by source? If the other funding source requires cost share, also include the minimum state (or other) share OF project cost allowable and the supporting citation or documentation.
This request is being made of 057 State Bonded Funds. There are no addition funding sources that are part of this request.

Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.
This funding request aligns with EWU's Academic Strategic Plan 2018-2025, Core Theme: Access + Learning + Completion = Student Success, in that by providing fully functioning, environmentally conditioned, modern facilities students will have the best opportunity for access to centers for learning which, in turn, provides an environment for course completion and student success.

The current edition (2014) of Eastern Comprehensive Campus Master Plan states that the university's top priorities are the expansion of Eastern's Science Technology Engineering and Math (STEM) programs. The growth and increased graduation rates in these programs tie directly to the construction of the Interdisciplinary Science Center, the remodeled Science building and a new Engineering building. As stated in the engineers report, the current university infrastructure (steam, chilled water, and medium voltage electrical) will not support these new facilities without expansion of these systems.
Eastern's Facilities Master Plan is available at:
http://access.ewu.edu/Documents/Facilities-Planning/PEC_Executive%20Summary_9_27_13revision1-single.pdf

Eastern's Strategic Plan "Inspiring the Future" (2012-2017) is available at the following link:
http://www.ewu.edu/Documents/Strategicplanning/strat_plan_doc_webres.pdf

Does this project include IT related costs, including hardware, software, cloud based services, contracts or staff? If yes, attach IT Addendum.

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2021-23 Biennium

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Description

This project will be using existing IT system already established on campus infrastructure.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 12 Puget Sound Recovery) in the 2021-23 Operating Budget Instructions.
This project is not linked to the Puget Sound Action Agenda.

How does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? Please elaborate.
This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like decision makers to know when evaluating this request?
The university as a whole is a tremendous state asset used for the instruction and education of our student population. The infrastructure is the heart, lungs and circulator system for almost 3,000,000 gross square feet of facilities.

To maintain and upgrade these systems is the university's responsibility to be good steward of state resources. The requests addressed as the highest priority issues are currently identified and responded to with upgrades and replacement that respond to specific failures and low performing conditions. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

Unfortunately, the result of taking no action will increase the potential for older systems not to perform as needed in all situation. Without being addressed, critical and key facilities' operation costs will continue to rise. This include regular preventative and demand maintenance and utility costs associate with lower performing equipment and systems. This impacts the ability to provide a safe, comfortable and accessible campus for all that use it.

Infrastructure projects main goal is to maintain, preserve, and extend the lifecycle of existing state facilities and assets. In most cases these systems or portions of them and the equipment addressed in these request are at the end or past the end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative due to the damage possible during catastrophic failures. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Infrastructure (Major Projects)

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Description

Growth Management impacts

Growth Management is not affected by this project.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	35,518,000				25,518,000
	Total	**35,518,000**	**0**	**0**	**0**	**25,518,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	10,000,000			
	Total	**10,000,000**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

This project is replacement and upgrade of existing equipment and systems.

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Infrastructure Renewal III
OFM Project Number	40000070

Contact Information	
Name	Shawn King
Phone Number	509-359-6878
Email	sking@ewu.edu

Statistics			
Gross Square Feet		MACC per Square Foot	
Usable Square Feet		Escalated MACC per Square Foot	
Space Efficiency		A/E Fee Class	A
Construction Type	Heating and power plan	A/E Fee Percentage	11.57%
Remodel	Yes	Projected Life of Asset (Years)	30
Additional Project Details			
Alternative Public Works Project	No	Art Requirement Applies	No
Inflation Rate	2.38%	Higher Ed Institution	Yes
Sales Tax Rate %	8.90%	Location Used for Tax Rate	Cheney, WA
Contingency Rate	10%		
Base Month	June-20	OFM UFI# (from FPMT, if available)	
Project Administered By	Agency		

Schedule			
Predesign Start	October-20	Predesign End	December-20
Design Start	January-21	Design End	June-22
Construction Start	August-21	Construction End	June-23
Construction Duration	22 Months		

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Project Cost Estimate

Total Project	**$24,717,996**	Total Project Escalated	**$25,517,929**
		Rounded Escalated Total	**$25,518,000**

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Infrastructure Renewal III
OFM Project Number	40000070

Cost Estimate Summary

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$0		
A/E Basic Design Services	$1,460,576		
Extra Services	$33,000		
Other Services	$656,201		
Design Services Contingency	$214,978		
Consultant Services Subtotal	**$2,364,755**	**Consultant Services Subtotal Escalated**	**$2,454,642**

Construction			
Construction Contingencies	$1,663,218	Construction Contingencies Escalated	$1,746,712
Maximum Allowable Construction Cost (MACC)	$16,632,177	Maximum Allowable Construction Cost (MACC) Escalated	$17,094,552
Sales Tax	$1,628,290	Sales Tax Escalated	$1,676,873
Construction Subtotal	**$19,923,685**	**Construction Subtotal Escalated**	**$20,518,137**

Equipment			
Equipment	$1,247,413		
Sales Tax	$111,020		
Non-Taxable Items	$0		
Equipment Subtotal	**$1,358,433**	**Equipment Subtotal Escalated**	**$1,426,628**

Artwork			
Artwork Subtotal	**$126,955**	**Artwork Subtotal Escalated**	**$126,955**

Agency Project Administration			
Agency Project Administration Subtotal	$944,169		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$944,169**	**Project Administation Subtotal Escalated**	**$991,567**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate

Total Project	**$24,717,996**	Total Project Escalated	**$25,517,929**
		Rounded Escalated Total	**$25,518,000**

Cost Estimate Details

Consultant Services				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
1) Pre-Schematic Design Services				
Programming/Site Analysis				
Environmental Analysis				
Predesign Study				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0139**	**$0**	Escalated to Design Start
2) Construction Documents				
A/E Basic Design Services	$1,460,576			69% of A/E Basic Services
Other				
Insert Row Here				
Sub TOTAL	**$1,460,576**	**1.0309**	**$1,505,709**	Escalated to Mid-Design
3) Extra Services				
Civil Design (Above Basic Svcs)	$33,000			
Geotechnical Investigation				
Commissioning				
Site Survey				
Testing				
LEED Services				
Voice/Data Consultant				
Value Engineering				
Constructability Review				
Environmental Mitigation (EIS)				
Landscape Consultant				
Electronic Security Consultant				
Audiovisual Consultant				
Lighting Consultant				
Laboratory Consultant				
Acoustical Consultant				
Interior Design				
Elevator Consultant				
Hardware Consultant				
Code Consultant				
Building Envelope Consultant				
Value Engineering Support				
Constructability Participation				
Energy Life Cycle Cost Analysis				
Life Cycle Cost Analysis				
Renovation Design at CEB				
Energy Modeling				
Models & Renderings				
Full Fire Protection Design				
Reimbursable Expenses				
Sub TOTAL	**$33,000**	**1.0309**	**$34,020**	Escalated to Mid-Design
4) Other Services				
	$656,201			31% of A/E Basic Services

HVAC Balancing				
Staffing				
Commissioning Support				
Record Drawings				
Sub TOTAL	**$656,201**	**1.0502**	**$689,143**	Escalated to Mid-Const.
5) Design Services Contingency				
Design Services Contingency	$214,978			
Other				
Insert Row Here				
Sub TOTAL	**$214,978**	**1.0502**	**$225,770**	Escalated to Mid-Const.
CONSULTANT SERVICES TOTAL	**$2,364,755**		**$2,454,642**	

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Cost Estimate Details

Construction Contracts				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
1) Site Work				
G10 - Site Preparation				
G20 - Site Improvements	$140,000			
G30 - Site Mechanical Utilities	$7,070,293			
G40 - Site Electrical Utilities	$9,421,884			
G60 - Other Site Construction				
Other				
Insert Row Here				
Sub TOTAL	**$16,632,177**	**1.0278**	**$17,094,552**	
2) Related Project Costs				
Offsite Improvements				
City Utilities Relocation				
Parking Mitigation				
Stormwater Retention/Detention				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0278**	**$0**	
3) Facility Construction				
A10 - Foundations				
A20 - Basement Construction				
B10 - Superstructure				
B20 - Exterior Closure				
B30 - Roofing				
C10 - Interior Construction				
C20 - Stairs				
C30 - Interior Finishes				
D10 - Conveying				
D20 - Plumbing Systems				
D30 - HVAC Systems				
D40 - Fire Protection Systems				
D50 - Electrical Systems				
F10 - Special Construction				
F20 - Selective Demolition				
General Conditions				
CFCI Equipment				
CFCI Casework and Furnishings				
Escalation Adjustment				
Sub TOTAL	**$0**	**1.0502**	**$0**	
4) Maximum Allowable Construction Cost				
MACC Sub TOTAL	**$16,632,177**		**$17,094,552**	

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7) Construction Contingency				
Allowance for Change Orders	$1,663,218			
Additional Allowance for Renovation Portion of Project				
Insert Row Here				
Sub TOTAL	**$1,663,218**	**1.0502**	**$1,746,712**	
8) Non-Taxable Items				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0502**	**$0**	
Sales Tax				
Sub TOTAL	**$1,628,290**		**$1,676,873**	
CONSTRUCTION CONTRACTS TOTAL	**$19,923,685**		**$20,518,137**	

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Cost Estimate Details

Equipment				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
E10 - Equipment	$831,609			
E20 - Furnishings	$415,804			
F10 - Special Construction				
Other				
Insert Row Here				
Sub TOTAL	**$1,247,413**	**1.0502**	**$1,310,034**	
1) Non Taxable Items				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0502**	**$0**	
Sales Tax				
Sub TOTAL	**$111,020**		**$116,594**	
EQUIPMENT TOTAL	**$1,358,433**		**$1,426,628**	

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Cost Estimate Details

Artwork					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Project Artwork	$0				0.5% of total project cost for new construction
Higher Ed Artwork	$126,955				0.5% of total project cost for new and renewal construction
Other					
Insert Row Here					
ARTWORK TOTAL	**$126,955**		**NA**	**$126,955**	

Green cells must be filled in by user

Cost Estimate Details

Project Management					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Agency Project Management	$944,169				
Additional Services					
Other					
Insert Row Here					
PROJECT MANAGEMENT TOTAL	**$944,169**		**1.0502**	**$991,567**	

Green cells must be filled in by user

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000103
Project Title: Eagle Recrecational Facility

Project Class: Preservation

Description

Starting Fiscal Year: 2022
Agency Priority: 4

Project Summary

Academic programs and general student recreational activities are critical to supporting of the university mission and Academic Strategic plan. The Eagle Recreational Facility is requested to support a wide variety of activities in the university community as well as community engagement and outreach. This is a multi-use facility intended to be used by all academic and non-academic student programs.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.
Eastern Washington University is a four-year regional institution of higher education that offers students a broad and diverse college experience that goes beyond the classroom. In addition to the many diverse programs tailored to specific groups of students based on racial and ethnic backgrounds, personal interests, and academic pursuits, the programs that bring all students together are centered on recreation. EWU has a strong and active student recreation program that receives a broad base of support from a large percentage of its students.

The request for this Standalone Replacement project is $5,960,000.

Because of the limitations of our financial resources, student recreation facilities must be shared with other programs including physical education, athletics, clubs, University-sponsored events, and community outreach. The facility that could be considered the most multi-purpose venue on our campus would be the track and the support facilities associated with it.

The current condition of the track is poor, having been patched and repaired numerous times over several decades. Support facilities are aging and in constant need of repair as well. In looking ahead to the future, the university's needs would be best served if the facility were in a different location, more approximate to the PE program and other recreation facilities and more detached from athletic facilities.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Be prepared to provide detailed cost backup.
This is a request for a Standalone Replacement project. It will include funding for design and construction of this facility. If funding is approved the design of the project would begin November of 2021 and be completed in May of 2022. Construction would follow shortly, starting in June of 2022 and completed in November of 2022.

As is the case with most of the university projects this project could be phased. That said the scope of work and the request lend themselves better to having a single phased project. This will reduce duplication of construction overhead and administrative costs. It is preferred to have one construction project rather than two or more. We believe it to be more cost effective for the size and scope of the project. Current estimates are based upon market accepted cost per square foot calculations. As we begin design detailed cost analysis will be generated for review.

How would the request address the problem or opportunity identified in question 1? What would be the result of not

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Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000103
Project Title: Eagle Recrecational Facility

Project Class: Preservation

Description

taking action?
The current facility was constructed in the early 1960s as part of a complex serving physical education, student recreation and intercollegiate athletics. It is gone through several minor remodel and improvement projects to support and ancillary facilities, mostly for the benefit of football. The track itself, however, has never been replaced and only re-surfaced one time in the past 60 years. The last repair was performed in 2015 to correct selected areas of failure, only to be faced with an even greater number of repairs of the same type only 5-6 years later.

The deficiencies are mainly to the support facilities. The toilet facilities do not meet any ADA standards and because of the nature of its existing masonry construction, is not easily adapted or modified. For similar reasons, it is not feasible to make corrections that would meet the State's energy code requirements as well.

The results of not taking this action would be to restrict access to recreational facilities for academic programs as well as general recreation for student of Eastern. The current shared facilities have heavy usage that impacts the university facilities ability to maintain them in top condition.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.
A 2013 study was performed to determine a long-range plan for recreational facilities on our campus. The resulting recommendation was for a multi-use facility that included in all-weather track, artificial turf in field, bleacher seating for 2000 spectators with time-keepers booth and announcer's box, lighting for night use, and toilet facilities. This request is not including all recommendations made in the study with the notable omissions include parking, additional seating, and concessions.

Since this is a Standalone Replacement project there is not a pre design requirement associated with this project request.

Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.
These facilities are used by all departments and all students through academic programs. Athletic clubs, Intramurals, University sponsored events and community outreach. Outdoor recreation is a substantial portion of student activities on the Eastern's Cheney campus.

Will other funding be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
There is not additional funding that will supplement the completion of this project. The request is for state bonded funds (057).

Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

Our Strategic plans focus on provide and environment for student to learn, live and grow to become impactful citizens our local community and beyond. Facilities like this request facility are a part of a well round educational experience in which students and staff of all demographics can participate and grow as individuals from interactions with each other. This happens in and out of the classroom as well as during recreational activities on campus.

For IT-related costs: Does this project fund the development or acquisition of a new or enhanced software or hardware

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Date Run: 9/11/2020 8:39AM

Project Number: 40000103
Project Title: Eagle Recrecational Facility

Project Class: Preservation

Description

system or service?
There is not IT related cost associated with this project.

Does this decision package (DP) fund the acquisition or enhancements of any agency data centers? (See OCIO Policy 184 for definition.)
Not Applicable.

Does this DP fund the continuation of a project that is, or will be, under OCIO oversight? (See OCIO Policy 121.) If the answer to any of these questions is yes, continue to the IT Addendum and follow the directions to meet the requirements for OCIO review.
Not Applicable.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action.
Agenda, including expenditure and FTE detail. See Chapter 12 (Puget Sound Recovery) in the 2019-21 Operating Budget Instructions.
This project is not linked to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? If yes, please elaborate.
When facilities are replaced or upgraded emissions, energy conservation, sustainability and reducing overall operating costs are a paramount consideration for the Eastern Campus. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like decision makers to know when evaluating this request?
The 2013 Recreational Facilities Master Plan Estimated the total cost of the project of over $5,000,000 with some exclusions. This proposal would modify the scope such that some of those exclusions would be included such as field lighting and artificial turf, and other inclusions would be excluded such as concessions and parking. In a study performed in 2019 for the expansion of the football stadium, the cost of a new track facility was estimated at $3,000,000 which did include artificial turf in field but not lighting or toilet facilities.

The project is estimated to cost **$5,960,000** to be constructed as a design-bid-build project. Because this is a non-traditional project, not based upon normal occupancies and square foot cost projections, an LCCA is not applicable. What should be considered, however, is the cost of continual maintenance and eventual replacement of facility that should be located elsewhere. It's the university's desire to place its financial resources where it will receive the maximum long-term benefit for the greatest number of students, now and in the future.

The current facility meets the needs of all programs that currently utilizes it and it is our goal to replace it in kind with a greater emphasis towards physical education and student recreation and less toward intercollegiate athletics. The track and infield

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Version: C1 Eastern Washington University

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Project Class: Preservation

Description

surfaces would be all-weather and all-season and lit materials and lit for night use in order to maximize our student's access and use for the entire school year.

It is also the university's goal to reduce the amount of natural grass with artificial turf in pursuit of a more sustainable campus, saving maintenance dollars and water resources.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
New Facilities/Additions (Major Projects)

Growth Management impacts
There are no Growth Management Impacts associated with this project.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	5,960,000				5,960,000
	Total	**5,960,000**	**0**	**0**	**0**	**5,960,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
This project is a upgrade to an existing facility that already has operating resources assigned.

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Eagles Recreational Facility
OFM Project Number	

Contact Information	
Name	Jim Moeller / EWU Construction & Planning
Phone Number	(509) 359-6565
Email	jmoeller@ewu.edu

Statistics			
Gross Square Feet	N/A	MACC per Square Foot	
Usable Square Feet	N/A	Escalated MACC per Square Foot	
Space Efficiency		A/E Fee Class	B
Construction Type	Stadiums multi-purpose	A/E Fee Percentage	8.88%
Remodel	No	Projected Life of Asset (Years)	40
Additional Project Details			
Alternative Public Works Project	No	Art Requirement Applies	Yes
Inflation Rate	2.38%	Higher Ed Institution	Yes
Sales Tax Rate %	8.80%	Location Used for Tax Rate	3,202
Contingency Rate	5%		
Base Month	June-22	OFM UFI# (from FPMT, if available)	
Project Administered By	Agency		

Schedule			
Predesign Start	September-21	Predesign End	October-21
Design Start	November-21	Design End	May-22
Construction Start	June-22	Construction End	November-22
Construction Duration	5 Months		

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Project Cost Estimate

Total Project	**$5,934,172**	Total Project Escalated	**$5,959,563**
		Rounded Escalated Total	**$5,960,000**

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Eagles Recreational Facility
OFM Project Number	

Cost Estimate Summary

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$50,000		
A/E Basic Design Services	$281,790		
Extra Services	$65,000		
Other Services	$126,601		
Design Services Contingency	$26,170		
Consultant Services Subtotal	**$549,561**	**Consultant Services Subtotal Escalated**	**$550,310**

Construction			
Construction Contingencies	$219,000	Construction Contingencies Escalated	$220,074
Maximum Allowable Construction Cost (MACC)	$4,380,000	Maximum Allowable Construction Cost (MACC) Escalated	$4,399,992
Sales Tax	$404,712	Sales Tax Escalated	$406,566
Construction Subtotal	**$5,003,712**	**Construction Subtotal Escalated**	**$5,026,632**

Equipment			
Equipment	$0		
Sales Tax	$0		
Non-Taxable Items	$0		
Equipment Subtotal	**$0**	**Equipment Subtotal Escalated**	**$0**

Artwork			
Artwork Subtotal	**$29,650**	**Artwork Subtotal Escalated**	**$29,650**

Agency Project Administration			
Agency Project Administration Subtotal	$251,250		
DES Additional Services Subtotal	$100,000		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$351,250**	**Project Administation Subtotal Escalated**	**$352,971**

Other Costs			
Other Costs Subtotal	**$0**	**Other Costs Subtotal Escalated**	**$0**

Project Cost Estimate

Total Project	**$5,934,172**	Total Project Escalated	**$5,959,563**
		Rounded Escalated Total	**$5,960,000**

OFM

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

Description

Starting Fiscal Year: 2022
Agency Priority: 6

Project Summary

Eastern Washington University is committed to good stewardship of state assets on the Cheney Campus. This includes effective maintenance and operations as well as preservation projects that reduce our maintenance backlog, increase the lifecycle of facilities systems and components, reduce the cost of operations as well as increasing energy efficiency and improving a sustainable physical campus. Our preservation request systematically improve the campus experience for our students faculty and staff as well as address our responsibility for safety, security and optimal operations.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Project Request in the category of Facility Preservation are developed and requested to address the preservation of facilities and property on the Eastern Washington University Cheney Campus. Projects in this category include: Campus Building Automations Upgrades; Exterior Building Envelop Preservation; Heating Ventilation and Air Condition system replacement and improvements; Roof Replacements, Walkway and Pedestrian Walkway improvements.

The amount requested for this summary category is $7,000,000.

These requests are “priority based” upon on-going assessment, review and prioritization of campus facilities operations and the needs to support effective operations management. These projects were identified through evaluation of our current systems by architectural engineering consultants, regulatory agencies and plant staff. We captured the costs to maintain and operate the existing facilities, through our computerized maintenance management systems (AiM) and identified the systems that generate high operation costs and concerns. Once the maintenance items are captured, we then prioritized these projects to improve and extend the lifecycle of our systems and to reduce the maintenance and operating cost for the university. These projects also respond to current legislation such as Clean Building for Washington Act and House Bill 2311 Greenhouse Gas Emissions through facilities improvements.

Eastern’s facilities are complex and costly assets to maintain and operate. These minor works projects enable the university to defer major capital expenditures by preservation measures to extend the lifecycle of our facilities systems and components. These projects improve the Facilities Condition Index for system and the entire facilities inventory. We continually work to find innovative ways to maintain our facilities and manage the long term costs of the university and state assets. We propose these projects to respond to the improvements and maintenance needs of our facilities and the Eastern Cheney Campus.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university’s strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

The results of these identified projects will be:

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Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

Description

- Replacement or upgrading of systems that are not currently operating in a manner that best fits the campus needs.
- Reduction of backlog maintenance.
- Reduction of operating cost including the cost of utilities to operate.
- Replacement of obsolete equipment with new and higher efficiency equipment and systems.
- Improved operations and indoor air quality and health safety related operations.
- Reduction in costs associated with building cleaning and maintenance.
- Higher level of comfort for building customers and improved environment for teaching and student learning.

Each separate project will produce enhancements and improvements for university facilities. Once funding is approved, we will design, if necessary, and then construct projects that will replace or improve the systems indicated in the proposal. Design on these project will start as soon as funding is approved in July of 2021. Construction will follow as soon as the design and bidding for the project is completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractor that installs the projects. The intent would be to have all project complete by June 30, 2023.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that full funding may not always be available at the level of the request, therefore we plan our projects to be dynamic and flexible with the funding that is made available. It the total amount of funding is not approved Eastern will either reduce the scope of work for specific projects, or reduce the number of facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The requests would address the following problems on current university facilities:

- Replacement of roofs and roof systems.
- Protection of interior elements of facilities from weather damage to the structure and finishes.
- Reduction of backlog maintenance associated with building envelope.
- The opportunity to replace old equipment with more energy efficient and cost effective equipment.
- Extension of the affective lifecycle of these systems and equipment to defer more costly capital expenditures.
- Capture and resolve any pending regulatory items.
- Support the long term strategy of the university and the state.
- Reduction of university costs related to these systems.
- Improving the learning environment for the campus as a whole.

Regrettably, the result of taking no action will increase the potential for older systems performance to falter and possibly fail completely. Without addressing the critical and key facilities issues, operation costs will continue to rise. This includes regular preventative actions, demand maintenance, and utility costs associated with lower performing equipment and systems. This impacts the ability to provide a safe, comfortable and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project(s) and defer other as required. In many cases the will be an additional burden on our operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation projects main goal is to maintain, preserve, and extend the lifecycle of existing state facilities and assets. In many cases the systems and equipment addressed in these request are at the end or even past their potential lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university consistently evaluates all alternative including

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Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

Description

deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

Pre design is not required with proposed projects in this category.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. Our goals is to provide a safe, comfortable and cost effective environment for the campus community. This is our service area and includes a variety of university and community activities on a daily basis. Projects in this request address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/
and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

Eastern Washington University expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda

OFM

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

Description

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Eastern continues to show a high level of stewardship for state facilities with the use of minor capital improvements allowing for long term reduction of operating costs, reduction of emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works project, so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	7,000,000				7,000,000
	Total	**7,000,000**	**0**	**0**	**0**	**7,000,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

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Operating Impacts

No Operating Impact

SubProjects

SubProject Number: 40000078
SubProject Title: Facilities Energy Management Systems Improvement
SubProject Class Preservation

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SubProjects

SubProject Number: 40000078
SubProject Title: Facilities Energy Management Systems Improvement
SubProject Class Preservation

Project Phase Title: Facilities Energy Management Systems Improvement
Starting Fiscal Year: 2022
Agency Priority: 6

Project Summary

This priority request for the Building Automation Systems/Energy Management Systems (BAS/EMS) integration is to modernize the remaining campus building's to meet current control strategies and optimal energy management practices. This will allow university staff to monitor and manage these systems from a centralized location

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Eastern Washington University has a sophisticated campus wide building automation system (BAS) and energy management system (EMS). Many buildings on campus are not modernized with the BAS/EMS upgrades. This project will integrate remaining campus buildings with updated BAS/EMS that is consistent with EWU's current campus operating system.

This request is for Building Automation and Energy Management Improvements on Eastern's Cheney Campus. The amount of the request is $500,000.00. Art Building, Communications Building, Martin Hall, Performing Arts Pavilion, Physical Education Activities and Theatre.

This priority request for the BAS/EMS integration is to modernize the remaining campus building's to meet current control strategies and optimal energy management practices. This will allow university staff to monitor and manage these systems from a centralized location.

These requests are priority based upon on-going assessment, review and prioritization of campus facilities operations and the needs to support effective operation management. These projects were identified through evaluation of our current systems by architectural engineering consultants, regulatory agencies and plant staff. We captured the costs to maintain and operate the existing structures through our computerized maintenance management systems (CMMS) and identified the properties and systems that are generating high operation costs and concerns. Once the maintenance items are captured, we then prioritized these projects to improve and extend the lifecycle of our systems and equipment and to reduce the maintenance and operating cost for the university.

Eastern's facilities are complex and costly assets to maintain and operate. These minor projects enable us to defer major capital expenditures through creative preservation measures to extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects to respond to the improvements and maintenance needs of our facilities and arranged for these projects to be completed within one renovation or improvement phase.

Eastern Washington University is recognized as a model diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All

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SubProjects

SubProject Number: 40000078
SubProject Title: Facilities Energy Management Systems Improvement
SubProject Class Preservation

improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?
This BAS/EMS integration project will produce specific specifications that represent the university's standards on campus and will be advertised, bid, and scheduled for the integration to be completed through the 2021-23 biennium during a time that least impacts the students and instruction on the campus.

Each separate project will produce enhancements and improvements for university facilities. Once funding is approved, we will design and construct projects that will replace or improve the systems or equipment indicated in the proposal. Design on these projects will start as soon as funding is approved in July of 2021. Construction will follow as soon as the design and bid for the project are completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractor that installs the projects.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request, therefore we plan our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The BAS/EMS integration will modernize operations and management that facilitate EWU's innovative campus operating system.

Not taking action in the integration will affect the reliability of maintaining and monitoring buildings that have not yet been upgraded and will hinder operations and energy management, moreover EWU's commitment to state regulations compliance as well as campus efficiency and sustainability goals will not have been met.

Unfortunately, the result of taking no action will increase the potential for older systems not to perform as needed in all situations. Without addressing the critical and key facilities issues, operation costs will continue to rise. This includes regular preventative actions, demand maintenance, and utility costs associated with lower performing equipment and systems. This impacts the ability to provide a safe, comfortable and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer others as required. In many cases this will be an additional burden on our operation budgets.

Currently, construction estimates for this project are based upon cost per square foot calculations and historical data provided by contracted consultants or generated by EWU Construction and Planning staff. Once funding is approved and design is underway, more detailed construction cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.

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Project Class: Preservation

SubProjects

SubProject Number: 40000078
SubProject Title: Facilities Energy Management Systems Improvement
SubProject Class Preservation

Preservation project main goals are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in this request are near the end or past their designed lifecycle and are in need of upgrading or replacement. System and equipment failure persists and the most viable option is to upgrade or replace these systems. Additionally, continuing to apply limited operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring projects to later dates. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These projects are not required to have a predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
This request would serve our University's students, faculty, and staff, including community members and organizations who visit and use our facilities. Complete and reliable automation systems serve our facilities 24/7, as it is necessary to control our environment daily for instruction, and at other times for after-hour events. Automation projects address the needs of specific buildings, but as a whole these systems are designed to integrate and manage the living and learning environment of our entire campus.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

All projects related to Minor Works Preservation relate to Eastern's strategic goal to remain an "institution of innovation." As a priority to us, we consider the aspects relating to high quality/cost effective improvement and replacements, greenhouse gas emissions and the reduction of our carbon footprint. These projects also address the reduction of deferred backlog

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SubProject Title: Facilities Energy Management Systems Improvement
SubProject Class Preservation

maintenance that stand as a priority of the state and university.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
This project will ensure that facilities are a healthy, sustainable environment as well as comfortable and reliable. The installation of building automation and energy management systems for HVAC, power, and lighting systems allow university staff to monitor and manage these systems from a centralized location. These systems also allow the university to automate energy usage schedules in order reduce usage throughout the day. Centralized energy management helps reduce energy costs by reducing wasteful energy usage.

Good planning, system renewal and minor capital improvements allow for long term reduction of operating costs, reduction of emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

It is vital to improve upon systems as they age and deteriorate. The cost of maintenance and operations will be less effective and cause a substantial impact on state operating resources for their entire operation. Prioritization and implementation of these types of projects are the best option as they reduce the total replacement costs, defer major capital request by extending the lifecycle of the facility, address deferred maintenance backlog, and help meet the university's mission and goals.

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Project Class: Preservation

SubProjects

SubProject Number: 40000078
SubProject Title: Facilities Energy Management Systems Improvement
SubProject Class Preservation

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	500,000				500,000
	Total	**500,000**	**0**	**0**	**0**	**500,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000079
SubProject Title: Exterior Building Envelop Improvements
SubProject Class Preservation

Version: C1 Eastern Washington University

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Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000079
SubProject Title: Exterior Building Envelop Improvements
SubProject Class Preservation

Project Phase Title: Exterior Building Envelop Improvements
Starting Fiscal Year: 2022
Agency Priority: 6

Project Summary

The effects of time and weather have resulted in many of the buildings requiring more attention in the areas of: Increased energy consumption required to maintain a temperate interior climate; numerous roof patching projects to stop leaks mainly due to the age of existing roof systems; sporadic masonry repairs on a case by case basis where structural settlement or other shifting has occurred.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The Cheney campus of Eastern Washington University has approximately seventy (70) buildings with the average year of construction being 1970. While some of our facilities were constructed after that date the majority were constructed in the 1950's and 1960's.

The effects of time and weather have resulted in many of the buildings requiring more attention in the areas of: Increased energy consumption required to maintain a temperate interior climate; numerous roof patching projects to stop leaks mainly due to the age of existing roof systems; sporadic masonry repairs on a case by case basis where structural settlement or other shifting has occurred.

Eastern Washington University is recognized as a model diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

This request is for the improvements and upgrades of Exterior Building Envelops on buildings on Eastern's Cheney Campus. The request is for $2,000,000. Huston Hall, Isle Hall, John F. Kennedy Library, Martin Hall, Performing Arts Pavilion, Physical Education Activities and Red Barn.

Technologies related to building construction have advanced considerably since these facilities were originally constructed. New window and door systems provide much better insulating properties than similar systems designed in the last century and will go far toward mitigating energy loss. Roofing materials and techniques for application have eliminated many time-dependent leak issues that are present in these older building roofs. All buildings require exterior surface maintenance on occasion to maintain the qualities of the building envelope, and it is time for a number of our buildings to receive such attention.

These requests are priority based upon on-going assessment, review and prioritization of campus facilities operations and the needs to support effective operation management. These projects were identified through evaluation of our current systems by

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SubProjects

SubProject Number: 40000079
SubProject Title: Exterior Building Envelop Improvements
SubProject Class Preservation

architectural engineering consultants, regulatory agencies and plant staff. We captured the costs to maintain and operate the existing structures through our computerized maintenance management systems (CMMS) and identified the properties and systems that are generating high operation costs and concerns. Once the maintenance items are captured, we then prioritized these projects to improve and extend the lifecycle of our systems and equipment and to reduce the maintenance and operating cost for the university.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?
Eastern building maintenance staff together with architectural and engineering consultants have identified and prioritized a condition report for our numerous campus structures. From this list building specific projects will be executed for the highest priority facilities based on certain criteria.

These projects will install new windows and doors, new or renovated roofs, and minor structural and weatherization repairs based on the priority list.

Once funding is approved, we will design and construct projects that will replace or improve the systems or equipment indicated in the proposal. Design on these project will start as soon as funding is approved in July of 2021. Construction will follow as soon as the design and bid for the project are completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractors that installs the projects.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request, therefore we plan our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
This project will decrease energy consumption related to each facility. The project will also reduce damage to various types of equipment due to roof leaks within the buildings.

By not taking action to replace leaky windows, doors, and roofs the university will not be making the most efficient use of our allocated funds. Instead we will continue to spend more on energy consumption which results in spending less on energy conservation.

Unfortunately, the result of taking no action will increase the potential for this systems not to perform as needed in all situations. Without addressing the critical and key facilities issues, operation costs will continue to rise. This includes regular preventative actions, demand maintenance, and utility costs associated with lower performing equipment and systems. This impacts the ability to provide a safe, comfortable and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets.

Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provide by paid consultants or internal staff generated estimates. Once funding is approved and design is underway, more detailed cost estimate will be

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SubProjects

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SubProject Title: Exterior Building Envelop Improvements
SubProject Class Preservation

developed and reviewed to provide information for project implementation and good stewardship of state resources.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative.

Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These projects do not have predesign requirements associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

Preservation of facilities is a priority of government (POG). Eastern responds by balancing long term goals and short term implementations to provide stewardship for these state assets. Minor Works projects like this one respond quickly to meet the programmatic needs of the facilities and the preservation needs of the university and the state. Even when budgets are cut, it is critical that we continue to support the value of our facilities so that the maintenance backlog is kept under control and higher replacement costs are not projected forward into the next and subsequent biennia.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2017) and our Comprehensive Campus Master Plan (2014).

The projects included here affect many other state programs such as sustainability and cost effective facilities management.

OFM

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Project Class: Preservation

SubProjects

SubProject Number: 40000079
SubProject Title: Exterior Building Envelop Improvements
SubProject Class Preservation

These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgraded Eastern addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Priorities for the facilities' projects are focused on our base goals which are: First, the safety for our customers/clientele; Second, the protection of university assets; Third, to provide a comfortable and attractive place for our clients to work, learn, play, and visit; Fourth, to extend the lifecycle of state assets, reducing the maintenance backlog and operating costs; Fifth, sustainable design and energy conservation; and lastly, the reduction of waste and promoting reusable and recyclable products.

It is vital to improve upon systems as they age and deteriorate. The cost of maintenance and operations will be less effective and cause a substantial impact on state operating resources for their entire operation. Prioritization and implementation of these types of projects are the best option as they reduce the total replacement costs, defer major capital request by extending the lifecycle of the facility, address deferred maintenance backlog, and help meet the university's mission and goals.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

OFM

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Project Class: Preservation

SubProjects

SubProject Number: 40000079
SubProject Title: Exterior Building Envelop Improvements
SubProject Class Preservation

Growth Management impacts

There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2021-23 Fiscal Period: Reapprops	2021-23 Fiscal Period: New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods: 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000080
SubProject Title: Heating, Ventilation and Air Conditioning Improvements
SubProject Class Preservation

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000080
SubProject Title: Heating, Ventilation and Air Conditioning Improvements
SubProject Class Preservation

Project Phase Title: Heating, Ventilation and Air Conditioning Improvements
Starting Fiscal Year: 2022
Agency Priority: 6

Project Summary

The university owns and maintains almost three million gross square feet of buildings. Each building has Heating Ventilation and Air Conditioning (HVAC) systems that are continually in need of renovations, replacement and upgrades so that they operate in the most efficient manner and provide healthy and comfortable environments for the students, faculty and staff of Eastern Washington University.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Eastern Washington University has identified many buildings across campus that require Heating Ventilation Air Conditioning (HVAC) systems replacement and upgrades. These projects were selected through evaluation of our current systems by engineering consultants, regulatory agencies and operating staff. EWU captures the costs associated with maintaining and operating these systems through a computerized maintenance management system (Assetworks AiM) and evaluates the lifecycle costs with regard to repairs versus replacement of systems and components.

This request is to replace and improve Heating Ventilation and Air Conditioning (HVAC) equipment and systems at Eastern's Cheney Campus. The request is for $2,000,000. Art Building, Communication Building, Martin Hall, Physical Education Classroom Building, Performing Arts Pavilion, Jim Thorpe Fieldhouse, Electric Media Building, Cheney Hall.

Improving and replacing these systems and components will extend their lifecycles, increase operating efficiencies and reduce maintenance and operating costs. What determines this as a priority is the unreliability of these systems as they have gone beyond their end of lifecycle which impacts the comfort of the buildings occupants, safety, indoor air quality, efficiency and the cost to maintain these systems.

Eastern Washington University is recognized as a model of diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

This project will produce a design for prioritized campus building HVAC preservation, restoration and equipment replacement including but not limited to Music/Recital; Art, Radio/TV, Communications, Theatre, second floor Cheney Hall, Pavilion, and Jim Thorpe Fieldhouse. The project will commence as soon as funds are approved. Once the design is complete the project will be

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Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000080
SubProject Title: Heating, Ventilation and Air Conditioning Improvements
SubProject Class Preservation

advertised, bid and scheduled to be completed through the 2021-23 biennium during a time that least impacts the students and instruction on the campus.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request, therefore we plan our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
EWU will improve upon existing HVAC systems or replace obsolete equipment with new and higher efficiency equipment which would produce a higher level of comfort for building occupants and improved environment for teaching and student learning.

Unfortunately, the result of taking no action will increase the potential for these systems not to perform as needed in all situations. Not addressing the deficiencies increases maintenance, prolongs inefficiency, produces indoor air quality/health safety related issues, and may bring about catastrophic system failures. Without addressing the critical and key facilities issues, operation costs will continue to rise. This includes regular preventative actions, demand maintenance, and utility costs associated with lower performing equipment and systems. This impacts the ability to provide a safe, comfortable and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets. Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provide by paid consultants or internal staff generated estimates. Once funding is approved and design is underway, more detailed cost estimate will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past the end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These projects do not have any predesign requirements associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in

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SubProjects

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matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018-23) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014). https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

These projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facility systems and components that are past their effective

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SubProject Title: Heating, Ventilation and Air Conditioning Improvements
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lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Heating/Cooling Equipment Replacement/Preservation projects bring EWU closer to our commitment to sustainability goals, greenhouse gas emission regulation, reduction of the campus carbon footprint and cost effective utility management. Consideration of this project will respond to state energy and regulatory requirements.

Priorities for the facilities' projects are focused on our base goals which are: First, the safety for our customers/clientele; Second, the protection of university assets; Third, to provide a comfortable and attractive place for our clients to work, learn, play, and visit; Fourth, to extend the lifecycle of state assets, reducing the maintenance backlog and operating costs; Fifth, sustainable design and energy conservation; and lastly, the reduction of waste and promoting reusable and recyclable products.

It is vital to improve upon systems as they age and deteriorate. The cost of maintenance and operations will be less effective and cause a substantial impact on state operating resources for their entire operation. Prioritization and implementation of these types of projects are the best option as they reduce the total replacement costs, defer major capital request by extending the lifecycle of the facility, address deferred maintenance backlog, and help meet the university's mission and goals.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

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SubProjects

SubProject Number: 40000080
SubProject Title: Heating, Ventilation and Air Conditioning Improvements
SubProject Class Preservation

Operating Impacts

No Operating Impact

Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000081
SubProject Title: Roof Replacements
SubProject Class Preservation

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Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000081
SubProject Title: Roof Replacements
SubProject Class Preservation

Project Phase Title: Roof Replacements
Starting Fiscal Year: 2022
Agency Priority: 6

Project Summary

This priority request for roof replacement is for the reason that these roofs have gone beyond their lifecycle and have become a burden to maintain and require renovation or replacement.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The project is comprised of work to repair or replace worn roofing systems on five campus buildings:

This request is for funding to replace roofs on the following campus buildings: John F. Kennedy Library, Showalter Hall, Monroe Hall, The Physical Education Classrooms Building, and The Art Building. The request is for $2,000,000.00

This priority request for roof replacement is for the reason that these roofs have gone beyond their lifecycle and have become a burden to maintain and require renovation or replacement.

Eastern Washington University is recognized as a model of a diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

This roofing project will produce specifications that represent the university's standard on roofing systems and will be advertised, bid and scheduled for the replacements to be completed through the 2021-23' biennium during a time that least impacts the students and instruction on the campus.

Currently, our estimates for this project are based on cost per square foot, historical cost data, or budgetary estimates provided by roofing consultants, vendors, or EWU Construction and Planning staff. Once funding is approved and the design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request, therefore we plan our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

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Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000081
SubProject Title: Roof Replacements
SubProject Class Preservation

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The roofing replacement will repair and replace roofing systems that have either outlived their life span or have failed. Failed roofing systems allow unnecessary damage to occur within campus facilities. Damage can be avoided with renewed and durable roofing systems.

Not taking action in replacing the roofing systems will affect the facilities from the penetration of moisture, will reduce the level of maintenance and repair required, and if roof systems are not addressed in a timely manner, deferral will contribute to higher renovation costs in the future. Moisture can be extremely damaging to the infrastructure within, and modern watertight roofing systems are critical to maintaining a resilient healthy building.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets. Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provide by paid consultants or internal staff generated estimates. Once funding is approved and design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these requests are at the end or past their lifecycle, and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goals of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff, and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. These projects address specific buildings, however, these improvements are a benefit to the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

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SubProjects

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SubProject Title: Roof Replacements
SubProject Class Preservation

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdfThe projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
This project will ensure that facilities are protected from damage due to moisture infiltration, and will allocate resources in direct support of a major building system that is integral to physical health of program space on campus. Without proper maintenance of roofs, part of the university population would be unable to utilize critical program space.

It is vital to improve upon systems as they age and deteriorate. The cost of maintenance and operations will be less effective and cause a substantial impact on state operating resources for their entire operation. Prioritization and implementation of these types of projects are the best option as they reduce the total replacement costs, defer major capital request by extending the lifecycle of the facility, address deferred maintenance backlog, and help meet the university's mission and goals.

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Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000081
SubProject Title: Roof Replacements
SubProject Class Preservation

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000082
SubProject Title: Walkway and Paver Replacement
SubProject Class Preservation

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Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000082
SubProject Title: Walkway and Paver Replacement
SubProject Class Preservation

Project Phase Title: Walkway and Paver Replacement
Starting Fiscal Year: 2022
Agency Priority: 6

Project Summary

This request is for improvement and replacement of pedestrian walkways and sidewalks on Eastern's Cheney campus. These pathways provide essential pathways to all the university facilities for the students, staff and visitors that use the Cheney campus.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The safety of all people that work, attend class, or visit our campus is the highest priority of the university. The pedestrian walkway system on the Cheney campus connects all the university facilities, including academics, students services, student activities and campus support services. These pathways need to be safe and stable and also need to adhere to local building codes as well as need to be in compliance with the ADA Americans with Disabilities Act.

This request is for improvement and replacement of pedestrian walkways and sidewalks on Eastern's Cheney campus. The request is for $500,000.

The campus has many vehicular and pedestrian routes to help people navigate daily to their various destinations whether it be to classes, offices, gathering spaces or to get to a work location. These routes are constructed of varying materials such as concrete, asphalt, and brick and vary in type from being walkways, access drives, sidewalks, and paths. Most of these routes have been in place for many years and do not meet current accessibility codes and safety.

Eastern Washington University is recognized as a model of a diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

This project will take the results of the route hazard analyses performed and re-construct the highest priority sites to the current standard for access and safety.

The project will start after funding is approved and be completed within the biennium.The project will be phased based on the prioritization list developed in the route evaluation.

Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provided by paid consultants

SubProjects

SubProject Number: 40000082
SubProject Title: Walkway and Paver Replacement
SubProject Class Preservation

or internal staff generated estimates. Once funding is approved and the design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request, therefore we plan our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
This project reduces the risk of injury to anyone accessing the campus on foot as well as eliminate additional damage to areas where pavements have degraded to the point that vehicular traffic further exacerbates the damage.

This project will also address accessibility as it applies to this exterior environment. By not taking action to replace existing failed/failing walkway routes our customers will meet ever increasing challenges to navigate their way across campus, and the university may expose itself to legal action should an accident occur.

The clients of Eastern Washington University will experience better customer service and enjoy a quality environment when we manage our long and short term facility's goals properly. When operating costs are controlled, limited budgets are allocated more broadly across the university so that all facilities are maintained and operated in a cost effective and high quality manner.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases there will be an additional burden on our operation budgets. Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provide by paid consultants or internal staff generated estimates. Once funding is approved and design is underway, more detailed cost estimate will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in

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Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000082
SubProject Title: Walkway and Paver Replacement
SubProject Class Preservation

matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgraded Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission 2019
· Clean Building for Washington Act 2019

OFM

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Project Number: 40000072
Project Title: 2021-2023 Facilities Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000082
SubProject Title: Walkway and Paver Replacement
SubProject Class Preservation

· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Priorities for facilities' projects are focused on our base goals which are: First, the safety for our customers/clientele; Second, the protection of university assets; Third, to provide a comfortable and attractive place for our clients to work, learn, play, and visit; Fourth, to extend the lifecycle of state assets, reducing the maintenance backlog and operating costs; Fifth, sustainable design and energy conservation: and lastly, reduction of waste and promoting reusable and recyclable products.

It is vital to improve upon systems as they age and deteriorate. The cost of maintenance and operations will be less effective and cause a substantial impact on state operating resources for their entire operation. Prioritization and implementation of these types of projects are the best option as they reduce the total replacement costs, defer major capital request by extending the lifecycle of the facility, address deferred maintenance backlog, and help meet the university's mission and goals.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	500,000				500,000
	Total	**500,000**	**0**	**0**	**0**	**500,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

OFM

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

Description

Starting Fiscal Year: 2022
Agency Priority: 7

Project Summary

This project category is critical to healthy, safe and secure campus facilities. It response to critical compliance, safety and security needs a well as upgrades and restoration of components and systems that have met and exceeded their lifecycle and value to the university.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Health Safety and Code Compliance projects are identified and developed in response to the university's current needs to offer the safest facilities to the users of the Cheney campus.

Projects request in this category include: Fire System Detection and Reporting Systems Improvements; Exterior Lighting Safety Improvements; Access Controls Updates and Enhancements; Elevator Upgrades and Emergency Generator Replacements.

This category request is for a sum total of $5,700,000.

The projects listed in this category contribute to the health and safety of all students, faculty, staff and the public that use the campus. These are in fact all public safety improvements. The provide safety and security for the building users and state assets of the campus. Access to the campus and the academic experience is one of our paramount goals of the university. To provide a safe and comfortable experience while reducing costs to our clientele is a high priority. Many of the systems that are listed in these project have performed well but now are experience operational degradation due to their lifecycle age and condition. We continually look at projects that replaces and upgrades systems and system operations through minor works projects like these.

Eastern Washington University is recognized as a model of diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.
As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

Each separate project will produce enhancements and improvements reflecting the safety needs for university's facilities. Once funding is approved, we will design and construct projects that will replace or improve the systems or equipment indicated in the proposal. Design on these project will start as soon as funding is approved in July of 2021. Construction will follow as soon as the design and bid for the project are completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractor that installs the projects. The intent is to have all these project complete prior to the end of the 2021-2023 biennia.

The results of these identified projects will be:

- Resolution of facilities safety issues identified on campus.

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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

Description

- Provision for safe, comfortable and easy access to university facilities for the community.
- Response to regulatory agencies request for improvements for campus facilities.
- Reduce campus risk primarily to staff and students and secondary to campus facilities.
- Replacement of equipment and systems that better respond to campus health and safety needs.

Additionally, these projects are developed to address the following issues that occur with existing systems:

-Reduction of backlog maintenance, improvement of campus facilities FCI (Facilities Condition Index).
-Reduction of operating cost including the cost of utilities to operate.
-Replacement of obsolete equipment with new and higher efficiency equipment and systems.
-Improved operations and indoor air quality and health safety related operations.
-Reduction in costs associated with building operations.
-Higher level of safety and comfort for building customers and improved environment for teaching and student learning.

The size of these projects have been scoped as to allow for prioritization of specific buildings or areas. Reduction in funding for this/these project would result in reduction of scope in one or more of the facilities listed or the reduction of the lower priority building systems that have been requested. We will continue to scope and prioritize these sized project to meet our funding requests. Subsequently, we will obtain funding approval as to respond to the greatest need first and make the biggest reduction to our deferred maintenance backlog.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The results of these projects are to improve the safety and access for the members of the university community for the use of the campus and our facilities. These projects also address updates and changes identified by regulatory agencies: City of Cheney building department, fire marshal, Washington State Department of Labor and Industries, Washington State Department of Health and other local and region agencies units that oversee safety on the campus.

- Replacement and upgrade of fire detection and reporting systems.
- Expansion of electronic access controls.
- Upgrading and improvement of university elevator equipment.
- Upgrading of exterior and interior lighting for safety can energy conservation.
- Emergency Generator and UPS replacement.

As previously stated, this is also the opportunity to replace equipment and update systems many that have met or exceed the end of their productive lifecycle and are high costs to maintain and operate. Periodic, regular replacement and upgrades of system and system components extends the usable life cycle of our university facilities.

Unfortunately, the result of taking no action will increase the potential for older systems not to perform as needed in an emergency situation. Many systems are on the verge of failure. They systems not only protect students and staff but physical buildings and university property. Also various compliance requirements that are not addressed may increase our risk of violation with local agencies that oversee the safety of campus users. As is the case with reduction of approved funding for the university, we will prioritize the highest demand project and defer others as required. In most cases, the lack of upgrade and improvements adds additional burden on our currently stressed operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation, safety and code compliance projects main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. In fact catastrophic unplanned failure is much more costly than a deliberate replacement program. Continuing to apply restricted

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Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

Description

operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These projects are primarily focused on the safety and security of our students, faculty and staff and secondary the protection of state property assets. The clients of Eastern Washington University, the students, and faculty, staff and community members will experience better customer service, delivery, and a quality environment when we manage our long and short term facilities goals properly. When operating cost are controlled, limited budgets are allocated more broadly across the university so that all facilities are maintained and operated in cost effective and high quality manner.

The clientele associated with this project includes Eastern Washington University students, faculty and staff. This project also addresses community members and organizations that visit and use the campus for activities. These projects do not specifically add units to the university operations but respond to needs for high quality, safe, and secure spaces and facilities used for university and community activities. The university has a wide range of communities that use our facilities for academic instruction, student and community activities.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

These projects directly relate to our goal of "access" which includes the safety and security of all those who use our campus facilities. Projects included here affect many other state programs such as sustainability and cost effective facilities management. All projects related to Minor Works Preservation – Life Safety Code Compliance relate to Eastern's strategic goal to remain an "institution of innovation." As a priority to us, we consider the aspects relating to high quality/cost effective improvement and replacements, greenhouse gas emissions and the reduction of our carbon footprint. These projects also address the reduction of deferred backlog maintenance that stand as a priority of the state and university.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher

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Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

Description

education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.
If the answer to any of these questions is yes, continue to the IT Appendix and follow the directions to meet the requirement for OCIO review.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

These projects are designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
As a primary goal of the university and university staff, the projects requested in this category directly relate to providing a safe and inviting campus to the university community members and visitors. This makes the campus more inviting and safer for our clientele. These projects support safety and emergency response professions and assist the university police provide a better, safer environment for our students and staff.

Good planning, system renewal and minor capital improvements allow for long term reduction of regulatory violations, operating costs, reduction of emergency or catastrophic failures and extension of the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor Projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Health, Safety and Code Requirements (Minor Works)

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Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

Description

Growth Management impacts

The are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	5,700,000				5,700,000
	Total	**5,700,000**	**0**	**0**	**0**	**5,700,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

This project consists of replacement and upgrades to existing facilities and building systems that already have operating funding in-place.

SubProjects

SubProject Number: 40000083
SubProject Title: Fire Detection and Reporting Systems
SubProject Class Preservation

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000083
SubProject Title: Fire Detection and Reporting Systems
SubProject Class Preservation

Project Phase Title: Fire Detection and Reporting Systems
Starting Fiscal Year: 2022
Agency Priority: 7

Project Summary

Eastern's Fire Detection and Reporting Systems are a critical part of overall life safety and risk management systems on campus. Protection of life is a primary requirement of systems operations. Risk mitigation and property protect are a close second and third priority for campus operations. This request addresses deficiencies in our comprehensive system, per high priority buildings. These requests also are mandated compliance issues that need to be addressed in a timely manner.

Project Description

What is the problem/opportunity? Identify: priority, underserved people/communities, operating budget savings, public safety improvements & clarifying details. Preservation projects: include information about the current condition of the facility/system.

Eastern Washington University has a modern fire detection/evacuation, reporting system. EST (Fireworks). The system is a centrally monitored and supervised fire detection/control and reporting system. This system monitors and controls the university's EST fire alarms. The Fireworks system performs the logic necessary for automatic dispatch of EMS service to the campus for fire, duress, holdup and intrusion alarms. This system (Fireworks) is due for upgrade and replacement.

- Replace existing and safe disposal of obsolete ionization smoke detectors with new UL compliant smoke detectors.
- Showalter Hall evacuation signals and fire detection to code compliance.
- Surbeck Services fire alarm reporting and evacuation systems replacement.

This request is for the enhancement of fire detection and reporting systems on Eastern's Cheney campus. And to maintain code compliance. This request is for $2,000,000.

This requested project is to install the system into a building that has not been upgraded, enhance existing systems to code compliance and replace obsolete devices. This is a priority request due to requirements of National Fire Protection Association code (NFPA) and International Fire Code (IFC). Local jurisdiction, the Cheney Fire Department and Fire Marshal also require continual upgrades and replacements of systems deemed to be past their lifecycle and/or in condition not in the best interest of the building users. The systems support a 2 minute response time by city emergency services and provide reduction in our liability insurance premiums for facilities and insure replacement parts are currently manufactured and available. Reliable and supervised systems are critical to early detection and reporting that reduces the potential risk to our students, faculty, staff, and community users of our facilities.

Eastern's current reporting system automatically dispatches through a central station vendor, then Spokane County who in turn dispatches the City of Cheney, EWU PD and other emergency services in the event of a building alarm. Requirements for fire detection and reporting are strictly governed by: National Fire Protection Association NFPA, International Fire Code IFC, and local jurisdictional authority the City of Cheney Building Department and Fire Marshal.

What will the request produce or construct (predesign/design of a building, additional space, etc.)? When will the project start/end? Identify if the project can be phased, and if so, which phase is included in the request. Provide detailed cost backup.

This project will consist of the design and installation of fire alarm system in the highest priority building on campus including but not limited to Surbeck Services; Fireworks system upgrade; Showalter Hall; Replacement of obsolete ionization smoke detectors in buildings that have them. New control panels, communication wiring and devices will be added to specific building

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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000083
SubProject Title: Fire Detection and Reporting Systems
SubProject Class Preservation

on the priority list. The master panels are linked to the campus network back to the centrally monitored and dispatched alarms. These projects will install new panels, pathway and end-field devices as required by the local jurisdiction and the NFPA. Projects will commence design as soon as funds are approved. Once the design is complete the project will be advertised and bid and scheduled to be completed during a time of the academic that least impacts the student and instruction on the campus. Since these projects are a building by building installation they can be phased, this requests is for the most critical facilities on our system currently.

Our estimates for this project are based upon cost per square foot or budgetary estimate provided by paid consultants or internal staff generated estimates. Once funding is approved and the design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Since these are life safety issues, not addressing the issues put facility users at risk if the current systems are not working correctly or have component failures. If the local jurisdiction does not see the system in appropriate working order they will require fire watches when the building is being used and could, if necessary not allow academic classes to be held if there is potential for injury of loss of life.

As is the case with reduction of approved funding for the university, we will prioritize the highest demand project and defer others as required. In many cases, there will be an additional burden on our operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation, safety and code compliance projects main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These projects do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
All building users would be impacted by this request. Students, faculty, staff and university guests. The university is required to have fire detection and reporting systems operational as all times, day and night to protect the building users first and protect the properties for damage secondary.

The clients of Eastern Washington University, the students, faculty, staff and community members will experience better customer service, delivery, and a quality environment when we manage our long and short term facilities goals properly when operating cost are controlled, limited budgets are allocated more broadly across the university so that all facilities are maintained and operated in cost effective and high quality manner.

This project also addresses community members and organizations that visit and use the campus for activities. These projects do not specifically add units to the university operations but respond to needs for high quality, safe, and secure spaces and

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Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000083
SubProject Title: Fire Detection and Reporting Systems
SubProject Class Preservation

facilities used for university and community activities.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space.

These projects are developed and prioritized based on the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

And our Comprehensive Campus Master Plan (2017).
https://in.ewu.edu/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

These projects directly relate to our goal of "access" which includes the safety and security of all those who use our campus facilities. Projects included here affect many other state programs such as sustainability and cost effective facilities management. All projects related to Minor Works Preservation – Life Safety Code Compliance relate to Eastern's strategic goal to remain an "institution of innovation." As a priority to us, we consider the aspects relating to high quality/cost effective improvement and replacements, greenhouse gas emissions and the reduction of our carbon footprint. These projects also address the reduction of deferred backlog maintenance that stand as a priority of the state and university.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When systems or equipment is upgrade, Eastern addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019

OFM

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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000083
SubProject Title: Fire Detection and Reporting Systems
SubProject Class Preservation

- HB 1257 Clean Building for Washington Act 2019
- EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Priorities for the facilities' projects are focused on our base goals which are: First, the safety for our customers/clientele; Second, the protection of university assets; Third, to provide a comfortable and attractive place for our clients to work, learn, play, and visit; Fourth, to extend the lifecycle of state assets, reducing the maintenance backlog and operating costs; Fifth, sustainable design and energy conservation; and lastly, reduction of waste and promoting reusable and recyclable products.

Good planning, system renewal and minor capital improvements allow for long term reduction of regulatory violations, operating costs, reduction of emergency or catastrophic failures and extension of the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor Projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Health, Safety and Code Requirements (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000083
SubProject Title: Fire Detection and Reporting Systems
SubProject Class Preservation
Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000084
SubProject Title: Exterior Lighting Improvements
SubProject Class Preservation

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000084
SubProject Title: Exterior Lighting Improvements
SubProject Class Preservation

Project Phase Title: Exterior Lighting Improvements
Starting Fiscal Year: 2022
Agency Priority: 7

Project Summary

Campus exterior lighting supports many function on campus. It lights up the night and provides safety and security for our students, faculty and staff as they move across campus in the early mornings and evenings. It provides visibility to our parking lots and pedestrian walkways. Installation and upgrades to necessary exterior lighting offers the university the opportunity to address energy conservations and sustainability into operational functions of the campus.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.
Eastern Washington University's Cheney campus contains approximately 2.7 million gross square feet of academic and student support facilities. Within these facilities are millions of lights and lighting circuits, much of which have not been altered since the facility was constructed.

This request is to upgrade and replace exterior lighting on Eastern's Cheney campus. The request is for $650,000.

As part of Eastern's 2014 Comprehensive Campus Master Plan the existing exterior site lighting was reviewed and found to be deficient in regards to pedestrian safety, with many areas not sufficiently being illuminated. Additionally the exterior lighting systems that are in place are relatively old and do not provide sufficient lighting. However they do expend a lot of energy in providing light to the locations where they are.

Lighting is an easy area to take advantage of recently developed energy saving technologies such as LED replacement lighting and this will help save money in our electrical consumption costs, while at the same time improving lighting levels for safety and instruction.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?
The project will consist of installation of new lighting poles and bases to bring some of the exterior lighted areas up to current codes and standards. The project will commence as soon as funds are approved. Because there are numerous areas in which the exterior has been defined as a need, these can be phased. This project will replace existing lighting fixtures and install new lighting fixtures at several locations around the approximately 70 buildings located on the campus.

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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000084
SubProject Title: Exterior Lighting Improvements
SubProject Class Preservation

The project will start after funding is approved and be completed within the biennium.The project will be phased and based on a pre-determined hierarchy with academic buildings being first. The intent is to have these project complete prior to the end of the 2021-2023 biennium.

The size of these projects have been scoped as to allow for prioritization of specific buildings or areas. Reduction in funding for this/these project would result in reduction of scope in one or more of the facilities listed or the reduction of the lower priority building systems that have been requested. We will continue to scope and prioritize these sized project to meet our funding requests. Subsequently, we will obtain funding approval as to respond to the greatest need first and make the biggest reduction to our deferred maintenance backlog.

Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provided by paid consultants or internal staff generated estimates. Once funding is approved and the design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Replacement of existing lights and adding more lights to other areas will provide a more energy efficient and safe pedestrian experience. Because this is a life safety type project not completing this work puts our customers in potentially dangerous situations and requires the university police to utilize stretched resources by increasing their patrols to these darker areas of campus. New lighting will allow for the police to focus their work elsewhere, reduce energy consumption and provide safely lit walkways throughout various areas of the campus.

This project provides for a safer and healthier campus environment as well as reduces energy consumption. If this project is not funded our energy consumption would maintain the current levels thereby costing the university more in utility fees, increasing our carbon footprint and reducing our opportunity to act as good stewards to the environment. Areas where lighting levels are sub-standard or un-safe will continue to be sub-standard and/or un-safe.

As previously stated, this is also the opportunity to replace equipment and update systems that are reaching the end of their productive lifecycle and are high costs to maintain and operate. Periodic, regular replacement and upgrades extends the usable life cycle of our university facilities.

Unfortunately, the result of taking no action will increase the potential for older systems not to perform as needed in an emergency situation. Also various compliance requirements that are not addressed may increase our risk of violation with local agencies that oversee the safety of campus users. As is the case with reduction of approved funding for the university, we will prioritize the highest demand project and defer others as required. In many cases, there will be an additional burden on our operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation, safety and code compliance projects main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and

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SubProject Title: Exterior Lighting Improvements
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student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
The clients of Eastern Washington University, the students, faculty, staff and community members will experience better customer service, delivery, and a quality environment when we manage our long and short term facilities goals properly. When operating cost are controlled, limited budgets are allocated more broadly across the university so that all facilities are maintained and operated in cost effective and high quality manner.

The clientele associated with this project includes Eastern Washington University students, faculty and staff. This project also addresses community members and organizations that visit and use the campus for activities. These projects do not specifically add units to the university operations but respond to needs for high quality, safe, and secure spaces and facilities used for university and community activities. The university has a wide range of communities that use our facilities for academic instruction, student and community activities.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space.

These projects are developed and prioritized based on the needs stated in the university Academic Strategic Plan (2018-23) https://sites.ewu.edu/strategic-planning/

And our Comprehensive Campus Master Plan (2014). https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

These projects directly relate to our goal of "access" which includes the safety and security of all those who use our campus facilities. Projects included here affect many other state programs such as sustainability and cost effective facilities management. All projects related to Minor Works Preservation – Life Safety Code Compliance relate to Eastern's strategic goal to remain an "institution of innovation." As a priority to us, we consider the aspects relating to high quality/cost effective improvement and replacements, greenhouse gas emissions and the reduction of our carbon footprint. These projects also address the reduction of deferred backlog maintenance that stand as a priority of the state and university.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.

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SubProjects

SubProject Number: 40000084
SubProject Title: Exterior Lighting Improvements
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There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgraded Eastern addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Priorities for the facilities' projects are focused on our base goals which are: First, the safety for our customers/clientele; Second, the protection of university assets; Third, to provide a comfortable and attractive place for our clients to work, learn, play, and visit; Fourth, to extend the lifecycle of state assets, reducing the maintenance backlog and operating costs; Fifth, sustainable design and energy conservation; and lastly, reduction of waste and promoting reusable and recyclable products.

Good planning, system renewal and minor capital improvements allow for long term reduction of regulatory violations, operating costs, reduction of emergency or catastrophic failures and extension of the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor Projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Health, Safety and Code Requirements (Minor Works)

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Project Class: Preservation

SubProjects

SubProject Number: 40000084
SubProject Title: Exterior Lighting Improvements
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Growth Management impacts

The are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	650,000				650,000
	Total	**650,000**	**0**	**0**	**0**	**650,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000085
SubProject Title: Access Controls Improvements
SubProject Class Preservation

Version: C1 Eastern Washington University

Report Number: CBS002
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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000085
SubProject Title: Access Controls Improvements
SubProject Class Preservation

Project Phase Title: Access Controls Improvements
Starting Fiscal Year: 2022
Agency Priority: 7

Project Summary

The installation and expansion of University access controls and monitoring systems allow for cost effective monitoring, control, and risk mitigation with regard to campus users and our facilities.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Items under this project include the expansion of our access controls system to buildings not currently under the campus wide system, upgrades to specific hardware and additions high priority security and safety related spaces on campus.

This request is to expand and replace building Access Controls on Eastern's Cheney campus. This request is for $1,000,000.

The safety and security of students, faculty, staff, and visitors are the university's highest priority. Additionally, the monitoring and protection of our state assets is critical to our success. The installation and expansion of University access controls and monitoring systems allow for cost effective monitoring, control, and risk mitigation with regard to campus users and our facilities. Eastern's facilities are complex and are resource intensive to maintain and operate. We are continually looking for ways to extend the lifecycle of facilities, systems, and deferred major capital expenditures to bring them up to a maintainable and cost effective level. This project, like many of our Minor Works projects, is programmed to extend lifecycle, improve facilities quality for our customers, integrate innovative design into our projects, and reduce the long term costs of the university and the state. We creatively designed these projects to respond to many of the needs within a single renovation or improvement.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

Access Control projects requested under this project will construct additional systems for existing university buildings. Minor Works projects of this nature will begin design as soon as appropriations are approved and the budget it available. All work will be completed in the 2021-23' biennium unless circumstances, bidding and contract execution, scheduling work in buildings, or impact on the students requires a modified or extended schedule for completion. As with many Minor Works request the installation of new access controls system can be phased by building. A list of buildings that currently do not have these

SubProjects

SubProject Number: 40000085
SubProject Title: Access Controls Improvements
SubProject Class Preservation

systems is developed and when funding is received the top priorities on the list become the projects that are phased. Additional projects that are not funded would be deferred until such time as funding is available.

Currently, estimates for this project are based on cost per square foot or budgetary estimates provided by paid consultants or generated by EWU internal staff. Once funding is approved and the design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The project(s) identified and developed for this request are related to building security and facilities protection. They include keycard access controls system expansion, and replacement; selective camera installation and replacement; data gathering and storage for security systems, and replacement of deficient equipment that is at the end of its lifecycle. These projects were identified through evaluation of our current system by engineering consultants, regulatory agencies, and plant staff. They also capture the costs associated with maintaining and operating existing systems through our computerized maintenance management program. These projects are prioritized to make the most affective impact for improving the systems and equipment, extending the lifecycle of systems, and reducing the maintenance and operating cost for the university.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives and the predesign considered.
Preservation, safety and code compliance projects goals are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these requests are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a viable alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring projects to a later date. The analysis is based on the needs of the university and its academic and student based programs and to continue to succeed and meet the goals of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
Access controls systems impact all of the campus community including students, staff, faculty and community members that visit and use Eastern campus facilities. All of the university units including Academic Affairs, Student Affairs, Business and Finance, Office of Informational Technology, Athletics, and the Development unit use these systems as a part of their day-to-day operations. These projects affect other state programs such as sustainability and cost effective utility management. All projects related to Minor Works retell Eastern's strategic goal of "an institution of innovation", which means the consideration of high quality cost effective improvements and replacements, consideration of greenhouse gas emission, and reduction of the carbon footprint. These projects also address reducing deferred backlog maintenance, which is a priority of the state and the university.

These projects are directly related to customer safety and building security. Risk associated with personal injury, and the protection of state facilities and assets, will be the primary service level change that our customers will receive. Expansion of our access controls system also offers better flexibility when it comes to making quick and affective changes to the system, and reduces the time and costs associated with traditional access controls.

The clients of Eastern Washington University, the students, faculty, staff, and community members will experience better

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SubProjects

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SubProject Title: Access Controls Improvements
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customer service and a quality environment when we manage our long and short term facilities goals properly. Better and more cost effective control of our building environments, monitoring, and evaluation of our utility use, are critical to facilities. When operating costs are controlled, limited budgets are allocated more broadly across the university, so that all facilities are maintained and operated in cost effective and high quality manner.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The preservation of facilities has been a priority of government for many years. Eastern responds by balancing long term goals and short term implementations to provide stewardship of these state assets. Minor works projects like these respond quickly to meet the programmatic needs of the facilities and the preservation needs of the university and the state. Even when budgets are cut, it is critical that we continue to support the value of our facilities so that the maintenance backlog is kept under control and higher replacement costs are not projected forward into the next and subsequent biennia.

Benefits include increasing and expanding our state-of-the-art access control system; addition of security initiatives including cameras and intruder alarms; increased safety of university customers through added technology; more effective connection between the system and university police; extension of the affective lifecycle of these systems and equipment to defer more costly capital expenditures; resolution of any pending regulatory items; support of long term strategy of the university and the state; reduction of university costs related to these systems: and improvement of the learning environment for the campus as a whole.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

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Project Class: Preservation

SubProjects

SubProject Number: 40000085
SubProject Title: Access Controls Improvements
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Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When systems or equipment is upgrade, Eastern addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
As a primary goal of the university and university staff, the projects requested in this category directly relate to providing a safe and inviting campus to the university community members and visitors. This makes the campus more inviting and safer for our clientele. These projects support safety and emergency response professions and assist the university police by providing a better, safer environment for our students and staff.

Good planning, system renewal, and minor capital improvements allow for long term reduction of regulatory violations, operating costs, reduction of emergency or catastrophic failures, and extension of the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor Projects reduce the frequency of emergencies and cost less on a long term basis.

Projects are affecting many of the other state programs such as sustainability and cost effective utility management. All projects related to Minor Works relate to Eastern's strategic goal of "an institution of innovation" which means the consideration of high quality cost effective improvement and replacements, consideration of greenhouse gas emission, and reduction of the carbon footprint. These projects also address reducing deferred backlog maintenance which is a priority of the state and the university.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Health, Safety and Code Requirements (Minor Works)

Growth Management impacts
The are no Growth Management Impacts associated with these projects.

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Project Class: Preservation

SubProjects

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SubProject Title: Access Controls Improvements
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Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

		Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000086
SubProject Title: Elevator Inprovements/Upgrades
SubProject Class Preservation

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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000086
SubProject Title: Elevator Inprovements/Upgrades
SubProject Class Preservation

Project Phase Title: Elevator Inprovements/Upgrades
Starting Fiscal Year: 2022
Agency Priority: 7

Project Summary

This project includes work to update and renew worn components, fixtures, and finishes within existing elevators and conveyance systems on campus.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

This project includes work to update and renew worn components, fixtures, and finishes within existing elevators and conveyance systems on campus.

This request is for upgrades and replacement of elevators and other conveyance equipment on Eastern's Cheney campus. The request is for $1,250,000.

Many of the elevators and wheel chair lifts on campus are older than the originally designed life span and need to be either repaired or replaced. This project will renew the life of these elevators by upgrading major system components with modern technology, such as digital controllers and door closers. These elevators will also be connected to newly installed fire detection systems so that they operate properly during fire alarm emergencies. Worn architectural finishes and ADA fixtures will also be updated to comply with modern elevator code requirements.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

This project will install and update current elevators and other conveyance systems. There are a number of projects encompassing this request and a number of start/completion dates planned.

Minor Works request in this category will result and design and construction equipment and system upgrades that meet programmatic needs and regulatory compliance issues required by one or more of the following agencies/associations: (IBC) International Building Code; City of Cheney Building department and Fire Marshal; Washington's State Department of Labor and Industries Elevator Compliance division: and state and federal requirements for (ADA) Americans with Disabilities Act.

In this category there are a variety of projects and system upgrades that extend past the resources that will be appropriated. As is consistently the case the university will prioritize a list of elevator projects and address the most pressing issues first. Those

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SubProjects

SubProject Number: 40000086
SubProject Title: Elevator Inprovements/Upgrades
SubProject Class Preservation

that can wait will be deferred until funding is available at a later date.

The size of these projects have been scoped as to allow for prioritization of specific buildings or areas. Reduction in funding for this/these project/s would result in reduction of scope in one or more of the facilities listed or the reduction of the lower priority building systems that have been requested. We will continue to scope and prioritize these sized projects to meet our funding requests. Subsequently, we will obtain funding approval as to respond to the greatest need first and make the biggest reduction to our deferred maintenance backlog.

Currently, our estimates for this project are based upon cost per square foot or budgetary estimates provided by paid consultants or internal staff generated estimates. Once funding is approved and the design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Most of the elevators hat need to be repaired or replaced within this project are out of compliance with ADA requirements. Most of these elevators are past designed life span and require renewal of major system components in order to continue operation. Doing nothing would guarantee failure of these elevators and thus create potential for harm to University students, staff, and the general public. University elevators that do not meet current Washington State Department of Labor and Industries standards will require repairs and upgrades or will be taken out of service.

As previously stated, this is also an opportunity to replace equipment and update systems that are reaching the end of their productive lifecycle and prove to have high costs of maintenance and operation. Periodic, regular replacement and upgrades extend the usable life cycle of our university facilities.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation, safety and code compliance projects main goals are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these requests are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a practical alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
Elevators are used by all university clientele including: students, faculty, staff, and community guests. Vertical transportation is a critical part of the requirements and goals for the university support of facilities users with mobility issues. Access to all university programs and activities is one of our strategic goals, and upgrades to elevators and their systems support those goals.

The renewal and repair of major components throughout campus elevators systems will ensure that patrons using elevators will have a safe experience. This also means less maintenance calls, less elevator down time, and proper operation when a

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SubProjects

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SubProject Title: Elevator Inprovements/Upgrades
SubProject Class Preservation

building fire alarm occurs, or for other events where using stairs in not practical. This project should also eliminate elevator entrapment emergencies, where patrons become trapped while riding broken or worn out elevators.

Compliant ADA controls and fixtures within modernized elevator cabs will provide disabled students, staff, and the general public a comfortable and safe experience while traveling between floors.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

These projects directly relate to our goal of "access" which includes the safety and security of all those who use our campus facilities. Projects included here affect many other state programs such as sustainability and cost effective facilities management. All projects related to Minor Works Preservation – Life Safety Code Compliance relate to Eastern's strategic goal to remain an "institution of innovation." As a priority to us, we consider the aspects relating to high quality/cost effective improvement and replacements, greenhouse gas emissions and the reduction of our carbon footprint. These projects also address the reduction of deferred backlog maintenance that stand as a priority of the state and university.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate

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2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000086
SubProject Title: Elevator Inprovements/Upgrades
SubProject Class Preservation

Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Priorities for the facilities' projects are focused on our base goals which are: First, the safety for our customers/clientele; Second, the protection of university assets; Third, to provide a comfortable and attractive place for our clients to work, learn, play, and visit; Fourth, to extend the lifecycle of state assets, reducing the maintenance backlog and operating costs; Fifth, sustainable design and energy conservation; and lastly, reduction of waste and promoting reusable and recyclable products.

Good planning, system renewal and minor capital improvements allow for long term reduction of regulatory violations, operating costs, reduction of emergency or catastrophic failures and extension of the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to products that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor Projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Health, Safety and Code Requirements (Minor Works)

Growth Management impacts
The are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	1,250,000				1,250,000
	Total	**1,250,000**	**0**	**0**	**0**	**1,250,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

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Project Class: Preservation

SubProjects

SubProject Number: 40000086
SubProject Title: Elevator Inprovements/Upgrades
SubProject Class Preservation

No Operating Impact

Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000087
SubProject Title: Emergency Generator Replacements
SubProject Class Preservation

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Version: C1 Eastern Washington University

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Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000087
SubProject Title: Emergency Generator Replacements
SubProject Class Preservation

Project Phase Title: Emergency Generator Replacements
Starting Fiscal Year: 2022
Agency Priority: 7

Project Summary

Eastern Washington University Cheney Campus consists of almost 3 million gross square feet of facilities. Each of these facilities has requirement for emergency backup power in the form of emergency generators and uninterrupted power sources. These system back up life safety systems (fire detection and reporting), emergency lighting as well as data systems storage. Without up to date backup power there is serious risk to life, property and data information for campus operations.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Modern American life expects that a continuous and uninterrupted electrical power supply be readily available on a daily basis. This is also an important expectation for any modern university campus with its many mission critical functions and systems. Currently the university cannot guarantee uninterrupted power at all of its mission critical facilities, and this is why this request is a priority. This request is for the improvements and replacement of emergency backup generator(s) and Uninterrupted Power Supply (UPS) on Eastern's Cheney Campus.

The request is for $800,000.

As required by several codes and laws, life-safety systems such as fire protection, access control, and security are required to have continuous power availability ensuring communication within their respective networks. EWU receives its electrical power from two separate feeds into the campus from the City of Cheney. However, history shows that even with having two sources, campus power is still entirely interrupted from time to time. In the event of future power outages on campus, the generators, Uninterruptable Power Supply (UPS) and their associated mission critical systems are needed to maintain safety and security to our students, faculty, staff, and visitors.

What will the request produce or construct (predesign/design of a building, additional space, etc.)? When will the project start/end? Identify if the project can be phased, and if so, which phase is included in the request. Provide detailed cost backup.?

This project will replace existing systems where defined, and install new generators, Uninterruptible Power Supply (UPS) systems and support systems (Automatic Transfer Switches, ATS) for emergency power at numerous locations across campus. There are a number of smaller projects encompassing this request and a number of start/completion dates planned.

A phased project prioritization list based on evaluation by our engineering consultants, regulatory agencies, and plant electrical and generator maintenance staff has been developed.

The projects are prioritized based on each facility's specific impact to the university in the event of a normal power system failure, and the existing conditions in place for handling emergency power during an outage at each installation location, developing a hierarchy of the most urgent buildings and areas to upgrade first.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?

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Project Class: Preservation

SubProjects

SubProject Number: 40000087
SubProject Title: Emergency Generator Replacements
SubProject Class Preservation

This project will reduce the risk of loss of university data within our Information Technology System. The data of concern includes the personal and/or financial information of students, faculty and staff, as well as numerous other forms of data which the university is required to safeguard. For example, archived records are both critical to the university's long term operations, as well as require adherence to state and federal requirements related to the retention of records and data. Uninterruptible Power Supply (UPS) units provide backup power operations for all of our fire and life safety equipment that provide; detection, reporting, suppression, and communication for the life safety component to the university in the event of a normal power loss.

By not taking action to replace these existing systems, needed clients of the university can expect that during a loss of power on campus, even minimal emergency reporting systems may not continue to operate and keep our facility users safe. Secondly, mission communication and data collection may not be operational, and financial data and electronic records of the university may be lost. As previously stated, this is also an opportunity to replace equipment and update systems that are reaching the end of their productive lifecycle and are high costs to maintain and operate. Periodic, regular replacement and upgrades extends the usable life cycle of our university facilities.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Life-Safety and code compliance projects main goal are to maintain, preserve, and extend the safe lifecycle of existing state facilities and assets. In most cases the equipment and systems addressed in this request are at, or past the end of their manufacturer's lifecycle and are in need of upgrades or replacement. Included in this list is generator and UPS for the university data center in Huston Hall, equipment for Tawanka Building, Martin Hall, Williamson Hall, University Arts Complex, JFK Library and the Pavilion.

Allowing for equipment and system failure to occur are not considered productive alternatives and continuing to apply restricted operating funds to failing equipment and systems is not a good use of state resources. Other more cost effective alternatives are always being considered. The university evaluates all alternatives, including deferring the projects to a later date. The prioritization analysis is based upon the needs of the university, its academic and student based programs, and how best to continue to succeed and meet the goal of our strategic plan. These projects do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
The clients of Eastern Washington University, the students, and faculty, staff and community members will experience better customer service, delivery, and a quality environment when we manage our long and short term facilities goals properly. When operating costs are controlled, limited budgets are allocated more broadly across the university so that all facilities are maintained and operated in cost effective and high quality manner.

The clientele associated with this project includes all Eastern Washington University students, faculty and staff, as well as the Washington State Patrol Crime Laboratory and the Washington State Digital Archives facilities located on campus. This project also addresses community members and organizations that visit and use the campus for activities. These projects do not specifically add units to the university operations but responds to ongoing and continuing needs for high quality, safe, and secure spaces and facilities used for university and community activities. The university has a legal obligation across a wide range of Fire and Life-Safety codes as required by State and local Authorities Having Jurisdiction (AHJ). These obligations affect all of the communities that use our facilities for academic instruction, student and community activities.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?

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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000087
SubProject Title: Emergency Generator Replacements
SubProject Class Preservation

No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency Performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based on the needs stated in the university Academic Strategic Plan (2017) and our Comprehensive Campus Master Plan (2014).

These projects directly relate to our goal of "access" which includes the safety and security of all those who use our campus facilities. Projects included here affect many other state programs such as sustainability and cost effective facilities management. All projects related to Minor Works Preservation – Life Safety Code Compliance relate to Eastern's strategic goal to remain an "institution of innovation." As a priority to us, we consider the aspects relating to high quality/cost effective improvement and replacements, greenhouse gas emissions and the reduction of our carbon footprint. These projects also address the reduction of the deferred maintenance backlog that stand as a priority of the state and university.

EWU expands opportunities for personal transformation through excellence in learning; by enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
Whenever a system or piece of equipment is upgraded Eastern addresses the efficiency of the new equipment or system upgrades in relation to reducing carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

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Project Number: 40000073
Project Title: 2021-2023 Health, Code and Compliance

Project Class: Preservation

SubProjects

SubProject Number: 40000087
SubProject Title: Emergency Generator Replacements
SubProject Class Preservation

Is there additional information you would like the decision makers to know when evaluating this request?
Priorities for the facilities' projects are focused on our base goals which are: First, the safety for our customers/clientele; Second, the protection of university assets; Third, to provide a comfortable and attractive place for our clients to work, learn, play, and visit; Fourth, to extend the lifecycle of state assets, reducing the maintenance backlog and operating costs; Fifth, sustainable design and energy conservation; and lastly, reduction of waste and promoting reusable and recyclable products.

Good planning, system renewal and minor capital improvements allow for long term reduction of regulatory violations, operating costs, reduction of emergency or catastrophic failures and extension of the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works Projects so that when funds become available, we can effectively assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects cause premature, catastrophic and costly failures. Minor Works Projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Health, Safety and Code Requirements (Minor Works)

Growth Management impacts
The are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	800,000				800,000
	Total	**800,000**	**0**	**0**	**0**	**800,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

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Project Class: Preservation

SubProjects

SubProject Number: 40000087
SubProject Title: Emergency Generator Replacements
SubProject Class Preservation
Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

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Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

Description

Starting Fiscal Year: 2022
Agency Priority: 8

Project Summary

Eastern's Infrastructure supports approximately 3 million gross square feet of campus facilities, approximately 3 miles utility tunnels central steam production and distribution, central chilled water productions and distributions, campus electrical distribution, domestic water production and distribution along with sanitary and storm sewer collection and outflow to the city of Cheney sewer treatment plan. These project are intended to: extend lifecycle of equipment and system components, reduce utility and energy costs, and provide non-interruptible services to the campus. Many of these projects are compliance driven as well as sustainable alternatives to support the success or our students on the Cheney Campus.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.
Project Request in the category of Facility Preservation – Infrastructure Renewal are developed and requested to address the preservation of facilities and property on the Eastern Cheney Campus. Projects in this category include: Fire Lane and Service Drive Replacements; Utility Tunnel Upgrades and Improvements; Energy Management System Replacement and Upgrades and Medium Voltage Switch Replacements.

This request is for Infrastructure Preservation project on Eastern's Cheney Campus. The request for this category is $4,800,000.

The requests are priority based upon on-going assessment, review and prioritization of campus facilities infrastructure operations and the needs to support effective operation management. These projects were identified through evaluation of our current systems by architectural engineering consultants, regulatory agencies and plant staff. We obtained the costs to maintain and operate the existing structures through our computerized maintenance management systems (CMMS) and identify those properties and system that are generating high operation costs and concerns. Once the maintenance item was captured, we then prioritized these projects to improve and extend the lifecycle of our systems and equipment and to reduce the maintenance and operating cost for the university.

Eastern's facilities are complex and costly resources to maintain and operate; these minor projects enable us to defer major capital expenditures through creative preservation measures to extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects to respond to the improvement and maintenance needs of our facilities and arranged for these projects to be completed within one renovation or improvement phase.

Eastern Washington University is recognized as a model of diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing **access** to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.
As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.

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Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

Description

The results of these identified projects will be:

- Upgrade, expansion and major repairs of campus fire lanes and service drives.
- Utility tunnel major repairs and improvements.
- Energy Management System infrastructure and bridling System replacements.
- Replace of medium voltage (13,200 volt) vacuum switches and primary wiring.
- Higher level of reliability and services for building customers and improved environment for teaching and student learning.

Each separate project will produce enhancements and improvements to the university infrastructure systems and equipment. Once funding is approved, we will design and construct projects that will replace or improve the systems or equipment indicated in the proposal Design on these project will start as soon as funding is approved in July of 2021. Construction will follow as soon as the design and bid for the project are completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractor that installs the projects. It is our intention to have these project complete prior to the end of the 2021-2023 biennium.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request therefore, we plan for our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Infrastructure Preservation provides for the long term operations of campus facilities through the distribution of Primary Electrical Power, Steam, Chilled Water and Domestic Water. Operations and access to these systems is critical to the operations of the campus and the ability to provide an appropriate and quality instructional environment for faculty and students. These systems are expensive capital investment for the university and the state of Washington.

To maintain and upgrade these systems is the university's responsibility to be good steward of state resources. The requests addressed as the highest priority issues are currently identified and responded to with upgrades and replacement that respond to specific failures and low performing conditions. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

Unfortunately, the result of taking no action will increase the potential for older systems not to perform as needed in all situation. Without being addressed, critical and key facilities' operation costs will continue to rise. This include regular preventative and demand maintenance and utility costs associate with lower performing equipment and systems. This impacts the ability to provide a safe, comfortable and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Infrastructure preservation projects main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases these systems or portions of them and the equipment addressed in these request are at the end or past the end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative due to the damage possible during catastrophic failures. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternative including deferring the projects to a later date. The

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Description

analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant. Replacing and upgrading portion of or components of these systems reduces the capital cost of replacing the entire system at once.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc. These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

Periodically and on a regular basis the university through professional consultants and surveys by our own staff evaluate the age, condition and operational effectiveness of our infrastructures systems. This allows use to understand the point when regular maintenance is not the most cost effect response to repairs and upgrades and better use of our resource are major system upgrades and component replacement.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

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Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

Description

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

- RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
- RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
- HB 2311 Greenhouse Gas Emission 2019.
- Clean Building for Washington Act 2019.
- EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Infrastructure Preservation provides for the long term operations of campus facilities through the distribution of Primary Electrical Power, Steam, Chilled Water and Domestic Water. The university also owns and operates its own sanitary and storm sewer infrastructure. These systems are expensive capital investment for the university and the state of Washington.

To maintain and upgrade these systems is the university's responsibility to be good steward of state resources. The requests addressed as the highest priority issues are currently identified and responded to with upgrades and replacement that respond to specific failures and low performing conditions. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Infrastructure Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	4,800,000				4,800,000

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Version: C1 Eastern Washington University

Report Number: CBS002
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Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

Funding

	Total	**4,800,000**	**0**	**0**	**0**	**4,800,000**

		Future Fiscal Periods			
		2023-25	**2025-27**	**2027-29**	**2029-31**
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

SampleThis project consists of replacement and upgrades to existing facilities and building systems that already have operating funding in-place.

SubProjects

SubProject Number: 40000088
SubProject Title: Medium Voltage Electrical Switch Replacement
SubProject Class Preservation

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000088
SubProject Title: Medium Voltage Electrical Switch Replacement
SubProject Class Preservation

Project Phase Title: Medium Voltage Electrical Switch Replacement
Starting Fiscal Year: 2022
Agency Priority: 8

Project Summary

The university consists of approximately 3 million gross square foot of facilities and 329 acres of supporting property. Every square foot is feed electrical power through the university's medium voltage (13,200v) electrical distribution system. Each building has a switch that controls the building power. The age of these switches and their location (below grade) have become a serious condition for university operations. New updated switches, in safer locations, are currently warranted to keep the university in compliance and support smooth and seamless electrical distribution.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Modern American life expects that a continuous and uninterrupted electrical power supply be readily available on a daily basis. This is also an important expectation for any university campus with its many mission critical functions and systems. A significant component in the backbone of the campus electrical system has exceeded its useful life and imminent failures are to be expected. This request is for the replacement of approximately one-third of the 27 existing medium voltage switches located in the tunnels on Eastern's Cheney Campus.

The request for this project is $2,000,000.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.

This project will replace a portion of the 27 existing sub-grade MV switches in a phased approach based on the highest need first. This schedule has been developed by our electrical engineering consultants. The final number of switch replacements per phase will be determined based on allocated funding and replacement costs. It is intended to complete each phase within the biennium each is funded under.

Once the university has received funding, in conjunction with our professional consultant detailed cost analysis and priorities will be developed to provide the best outcomes for funding available.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?

Most all of the 27 switches were originally installed in 1989 making them approximately 30 years old. The expected useful life of the type of switches we have (13,200 KvA Medium Voltage Vacuum circuit breaker type) is between 15 and 20 years old. Even under optimal conditions and regular maintenance this equipment has exceeded its useful life and imminent failures should begin to be expected.

Another complicating issue is the switch locations themselves. Originally built to code within the confines of the campus tunnel system they now violate several codes related to electrical safety, access, and fire and life-safety. Being within the tunnel system the environment is wet, surrounded by several clearance restrictions and create an un-safe working environment when electrical work requires switching.

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Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

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SubProject Class Preservation

Lastly, the material makeup of the switches create an environmental concern. This type of switches were constructed using sulfur hexafluoride (SF6) as the insulating gas which is known to be a potent greenhouse gas. The stability of the gases in these switches is unknown, and cannot be accurately determined.

By not taking action to make these replacements our electrical staff face several dangers as described above, the university faces the potential consequence of an MV switch failure including lengthy unscheduled outages with costs several times that of this request, and the environment may suffer from an accidental release of SF6 insulating gas into the atmosphere.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Infrastructure Preservation projects main goal are to maintain, preserve, and extend the lifecycle of existing state facilities and assets. The equipment addressed in this request are past the end of their manufacturer's lifecycle and are in need of replacement. Equipment failure is not considered a productive alternative. Continuing to apply restricted operating funds to failing equipment also is not good use of state resources. Other more cost effective alternatives are always considered but generally not chosen due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date. The prioritization schedule is based upon the needs of the university, its academic and student based programs, and engineering scope considerations.

These projects do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
The clientele associated with this request include all university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit to the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

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Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000088
SubProject Title: Medium Voltage Electrical Switch Replacement
SubProject Class Preservation

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When systems and/or equipment are considered for upgrades, Eastern addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Infrastructure Preservation provides for the long term operations of campus facilities through the distribution of Primary Electrical Power, Steam, Chilled Water and Domestic Water. The university also owns and operates its own sanitary and storm sewer infrastructure. These systems are expensive capital investments for the university and the state of Washington.

It is the university's responsibility to be good steward of state resources, to maintain and upgrade these systems in an orderly manner thereby reducing the probability of expensive unplanned outages. The requests addressed as the highest priority issues are currently identified and responded to with upgrades and replacement that respond to specific failures and low performing conditions. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer others as required. In many cases there will be an additional burden on our operation budgets.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

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Project Class: Preservation

SubProjects

Project Type

SubProject Number: 40000088
SubProject Title: Medium Voltage Electrical Switch Replacement
SubProject Class Preservation

Project Type
Infrastructure Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

		Expenditures			2021-23 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000089
SubProject Title: UtilityTunnel Improvements
SubProject Class Preservation

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Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000089
SubProject Title: UtilityTunnel Improvements
SubProject Class Preservation

Project Phase Title: UtilityTunnel Improvements
Starting Fiscal Year: 2022
Agency Priority: 8

Project Summary

Eastern's utility distribution depends largely on tunnels and utilidors to house the piping for steam, condensate and chilled water. It also houses the primary electrical conductors and the vacuum switches for the university's medium voltage electrical distribution system (13,200 volts). Many of the tunnels are of an age where deterioration is beginning and major repairs need to be scheduled to avoid damage to the tunnels and their contents. These are critical infrastructure requirements to keep the university facilities operating smoothly into the future.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The EWU utility tunnel system was first constructed in the 1960's. Construction of several sections continued through the 1990's, with a recent small extension in built in 2018. The tunnels are the primary means of distributing steam for heating, chilled water for cooling and other utilities to the 70 buildings on campus. At a number of locations within the tunnel system the long-term effects of a rough service life and harsh environmental conditions (large temperature swings, groundwater seepage into the tunnel, age, etc.) have left some areas deteriorating to the point of near failure.

This is a request for tunnel lid repairs and other interior tunnel repairs in the amount of $1,000,000.

Residing entirely below grade and out of site by most people the tunnel system has never had any maintenance or repair since constructed. A secondary use of the tunnels is that the tunnel lids serve as pedestrian sidewalks across campus in several areas. One area in particular, the tunnel construction included a couple sets of concrete stairs as part of the tunnel lid. This area with the stairs has experienced high levels of deterioration of the interior of the tunnel lid and are approaching imminent failure. This area also has complex piping systems beneath the stairway which if failure occurs will compromise other systems such as heating and cooling and that makes this area is a priority.

In many other areas of the tunnel structural components that hold in place and physically support the various utilities have become highly deteriorated. The integrity of the mechanical and electrical systems residing in the tunnel have slowly begun to be compromised by this degradation.

Eastern's facilities are complex and costly resources to maintain and operate; these minor projects enable us to defer major capital expenditures through creative preservation measures to extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.

This project will provide for the demolition of the existing tunnel/sidewalk/stairs described above, make repairs to this section and rebuild this area in its current location. This area is an area of moderately high pedestrian traffic. This project will also make repairs to the noted structural components such as tube steel racking for the utility piping within the tunnel.

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SubProject Title: UtilityTunnel Improvements
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The design component will be minimal and limited to the immediate areas of concern related to the tunnel/sidewalk/stair. The project will begin once funding is approved and completed within the biennium.

We don't believe this is a phased project at this time. The university understands that funding will not always be available at the level of the request, therefore, we plan for our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of a specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
This project will eliminate an imminent structural failure to our tunnel/sidewalk system. There is a plethora of visible information suggesting the failure will occur. To what extent no one knows at this time. In general, Infrastructure Preservation provides for the long term operations of campus facilities through the distribution of Primary Electrical Power, Steam, Chilled Water and Domestic Water.

To maintain and upgrade these systems is the university's responsibility to be good steward of state resources. The requests addressed as the highest priority issues are currently identified and responded to with upgrades and replacement that respond to specific failures and low performing conditions. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

The result of not taking action will be the eventual structural failure of this area of the tunnel system. Once the failure occurs it can be expected to see an increase in failures of the steam/chilled water/electrical distribution systems residing beneath the tunnel/sidewalk/stairs location requiring additional funds over and above those currently being requested. There also exists the potential for personal injury depending on how the failure occurs. The probability for injury is likely low but does exist and should be noted. This condition impacts the ability to provide a safe, comfortable and accessible campus for all that use it.
As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer others as required.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Given the nature of the noted deficiencies there is no alternative other than "do nothing" which is not considered feasible in this instance either for the tunnel/sidewalk/stair location, or for the many locations within the tunnel of tube steel utility pipe racking structural issues.

This direction was chosen because of the safety issue present to the pedestrian public related to the stairs, and the potential for interruption of services due to catastrophic failure of one or more of the tube steel utility rack locations within the tunnel system.

Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

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Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
The Washington State Patrol Crime Laboratory and Washington State Digital Archives are two State agencies that reside on the EWU campus, and are clients of the university. The location of these facilities with respect to the tunnel/sidewalk/stairs is impactful in that utility services to these facilities may be interrupted should a failure occur.

In a more general sense, this request impacts our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. The effects of an unplanned outage can be several times the cost of planned outages and equipment replacements, impacting the entire campus community for the duration.

Some projects address specific buildings but, these improvements are a benefit to the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects described here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the standard proven life cycle deterioration which all facilities experience.

EWU expands opportunities for personal transformation through excellence in learning; by enhancing access to higher education in the Inland Northwest and beyond, and supporting traditional college-bound students and those from under-served populations; delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

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Project Class: Preservation

SubProjects

SubProject Number: 40000089
SubProject Title: UtilityTunnel Improvements
SubProject Class Preservation

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of facilities systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Infrastructure Preservation provides for the long term operations of campus facilities through the distribution of Primary Electrical Power, Steam, Chilled Water and Domestic Water. The university also owns and operates its own sanitary and storm sewer infrastructure. These systems are expensive capital investments for the university and the state of Washington.

To maintain and upgrade these systems is the university's responsibility as good stewards of state resources. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Infrastructure Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding		Expenditures			2021-23 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

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Project Class: Preservation

SubProjects

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		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000090
SubProject Title: Building Automations Systems Improvment
SubProject Class Preservation

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Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000090
SubProject Title: Building Automations Systems Improvment
SubProject Class Preservation

Project Phase Title: Building Automations Systems Improvment
Starting Fiscal Year: 2022
Agency Priority: 8

Project Summary

Our current Building Automation System (BAS) and Energy Management System (EMS) monitor and control most of the university facilities. This includes temperature controls and energy management. Our system also monitor and collect energy data from all of our campus buildings to best identify problems and monitor daily energy use. This request to expand to areas of the campus without full monitoring and control and also to update existing systems that are reaching the end of their lifecycle.

Project Description

What is the problem/opportunity? Identify: priority, underserved people/communities, operating budget savings, public safety improvements & clarifying details. Preservation projects: include information about the current condition of the facility/system.

Eastern Washington University's Cheney campus has approximately 70 buildings that utilize the steam heating and chilled water cooling from the Rozell Central Energy Plant to provide conditioned air dependent on the season. To efficiently use the provided heating and cooling energy requires a sophisticated Building Automation System (BAS) and Energy Management System (EMS). However, many of the campus buildings currently are operated using old, out of date BAS/EMS technology which is inefficient, cumbersome, inconsistent, and require considerable time by EMS personnel to stabilize and adjust each of these buildings. This becomes very time consuming for EMS personnel with trips to/from each building to check on adjustments physically made at the building, and then back to the EMS center to view how the adjustment affected the system.

The request for this project is $1,000,000.

Concurrently this campus system also monitors and tracks energy usage to most of the building on campus. This allow real time review of cost of energy and allows for trending and data gathering that allows better energy management and lower utility costs. Having utility metering and building controls tied together allows for our staff to make control changes that can save the university utility costs and also flag excessive energy costs due to system and component repairs that are immediately required. The ability to see these change on a timely basis saves the university resources.

Eastern Washington University is recognized as a model diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus

.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.

This request for BAS/EMS Modernization/Integration is to modernize the remaining campus building's to meet current energy control strategies and optimize energy management practices. This will allow university staff to monitor, adjust, and manage these buildings from a centralized location. There is no predesign. The design is limited to developing specific language relating to energy control/management which will become the campus standard.

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Project Class: Preservation

SubProjects

SubProject Number: 40000090
SubProject Title: Building Automations Systems Improvment
SubProject Class Preservation

This BAS/EMS integration project will produce specific energy control/management specifications that represent the university's standards on campus and will be advertised, bid and scheduled for the integration to be completed through the 2021-23' biennium during a time that least impacts the students and instruction on the campus.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?The request will modernize BAS/EMS integration, operations, and management efforts. The results of not taking action in the integration will affect the reliability of maintaining and monitoring buildings that have not yet been upgraded and will hinder operations and energy management, moreover EWU's commitment to state regulation compliance, and campus efficiency and sustainability goals will not have been met.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Infrastructure Preservation projects main goal are to maintain, preserve, and extend the lifecycle of existing state facilities and assets. The equipment addressed in this request are past the end of their manufacturer's lifecycle and are in need of replacement. Equipment failure is not considered a productive alternative. Continuing to apply restricted operating funds to failing equipment also is not good use of state resources. Other more cost effective alternatives are always considered but generally not chosen due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
All students, faculty, staff, and university guests would be impacted by this request. Campus building comfort levels and operating efficiencies affect the campus community as a whole.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

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Project Class: Preservation

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SubProject Title: Building Automations Systems Improvment
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EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Infrastructure Preservation provides for the long term operations of campus facilities through the distribution of Primary Electrical Power, Steam, Chilled Water and Domestic Water. The university also owns and operates its own sanitary and storm sewer infrastructure. These systems are expensive capital investment for the university and the state of Washington.

To maintain and upgrade these systems is the university's responsibility to be good steward of state resources. The requests addressed as the highest priority issues are currently identified and responded to with upgrades and replacement that respond to specific failures and low performing conditions. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

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Capital Project Request
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Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000090
SubProject Title: Building Automations Systems Improvment
SubProject Class Preservation

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Infrastructure Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000091
SubProject Title: Fire Lanes and Service Drive Replacements
SubProject Class Preservation

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000091
SubProject Title: Fire Lanes and Service Drive Replacements
SubProject Class Preservation

Project Phase Title: Fire Lanes and Service Drive Replacements
Starting Fiscal Year: 2022
Agency Priority: 8

Project Summary

Access to campus buildings for emergency services and deliveries in many cases requires special consideration other than city streets and alleys. These Fire Lanes and Service drives are own and maintained by the university. Fire lane access are compliance related issues which require coordination with the local jurisdiction having authority. Service drives in many case require special design and construction for delivery trucks and access to building for freight deliveries. This request encompasses several of these needs.

Project Description

What is the problem/opportunity? Identify: priority, underserved people/communities, operating budget savings, public safety improvements & clarifying details. Preservation projects: include information about the current condition of the facility/system.
Generally speaking, exterior pavements are one of the most overlooked systems across all types of campuses and facilities, rarely receiving timely and appropriate maintenance during the life of the pavement. More often, pavements are ignored until full repair remains the only option. Additionally, fire code requires that “fire lanes”, as defined in the Master Plan be of a certain design such that fire department apparatus can access/egress certain inner campus buildings along said fire lanes. The university has three areas that fall into the categories described above.

***The request for this is $800,000*.**

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university’s strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.
The three areas identified have differing reasons which placed them as priorities. The areas and their specifics are as follows:

JFK Library Fire Lane: The JFK Library is located in the interior of and near the middle of campus. Local fire code requires the university to provide access to JFK meeting certain physical and engineering requirements which currently cannot be met. This project will construct a new section and rebuild a portion of an existing service drive that currently serves the JFK Library.

Performing Arts Pavilion Fire Lane, Pedestrian Access and Service Drive: The Performing Arts Pavilion is located on the extreme west side of campus and situated between the Swimming Pool to the south and Roos Field Parking Lot to the north. The fire lane in question is shown on the Master Plan and is the defined route for ADA parking use at the Pavilion. The lane continues the defined fire lane route from Washington Street, through the Roos Field Parking lot down a hill to the Pavilion by a

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Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000091
SubProject Title: Fire Lanes and Service Drive Replacements
SubProject Class Preservation

paved access drive. The paved access drive is also commonly used by visitors to the Pavilion walking from the Roos Field Parking lot. This drive in its current condition is becoming a safety issue and needs to be corrected.

Surbeck Services Drive Aisle: This drive aisle has never been repaved since its initial construction. The large areas of pavement failure allow runoff to be diverted from the designed drainage path through the cracking that has developed over the approximately forty years since first constructed.

Each separate project will produce enhancements and improvements to the university infrastructure systems and equipment. Once funding is approved, we will design and construct projects that will replace the pavements as required. As indicated in the proposal design on these project will start as soon as funding is approved. Construction will follow as soon as the design and bid for the project are completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractor that installs the projects.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request therefore, we plan for our projects to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
To maintain and upgrade these systems is the university's responsibility to be good steward of state resources. Unfortunately, the result of taking no action will only increase the future costs for repair/rebuild of these older pavements. Without being addressed, critical and key facilities' operation costs will continue to rise. This include regular preventative and demand maintenance. This impacts the ability to provide a safe, comfortable and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operational budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation projects main goal are to maintain, preserve, and extend the lifecycle of existing state facilities and assets. In most cases the pavements addressed in this request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. Ignoring this condition is not a productive alternative. Continuing to apply restricted operating funds to failing pavements is not good use of state resources. Other more cost effective alternatives are always considered but generally not chosen due to the lack of available resources. The university evaluates all alternative including deferring projects to a later date. These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis.

Will other funding be use to complete the project? How much, what fund source, and could the request result in

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SubProjects

SubProject Number: 40000091
SubProject Title: Fire Lanes and Service Drive Replacements
SubProject Class Preservation

matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014). https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019

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Project Number: 40000074
Project Title: 2021-2023 Infrastructure Preservation

Project Class: Preservation

SubProjects

SubProject Number: 40000091
SubProject Title: Fire Lanes and Service Drive Replacements
SubProject Class Preservation

· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Infrastructure Preservation provides for the long term operations of campus facilities. These systems are an expensive capital investment for the university and the state of Washington.

To maintain and upgrade these systems is the university's responsibility to be good steward of state resources. The requests addressed as the highest priority issues are currently identified and responded to with upgrades and replacement that respond to specific failures and low performing conditions. There are also regulatory requirements associated with the operations of our systems that we must address on a periodic basis to continue to be in compliance.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Infrastructure Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	800,000				800,000
	Total	**800,000**	**0**	**0**	**0**	**800,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

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Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000077
Project Title: 2021-2023 Preventative Maintenance/Backlog Reduction

Project Class: Preservation

Description

Starting Fiscal Year: 2022
Agency Priority: 11

Project Summary

Eastern Washington University systematically upgrades and improves facilities operations. Key to that improvement in preventative maintenance and reduction of our maintenance backlog. Preventative maintenance reduces operating costs, extends systems and equipment lifecycles and allows for more effective facilities operations. Reduce of maintenance backlog also reduces the needs stated above and reduces the cost of major system upgrades or complete building replacements.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Eastern's facilities are complex and costly resources to maintain and operate. These minor projects enable us to defer major capital expenditures through creative preservation measures that extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects to respond to the improvement and maintenance needs of our facilities and arranged for these projects to be completed within one renovation or improvement phase.

The request in this category is for $2,217,000.

The results of these identified projects will be:
· Reduction of backlog maintenance.
· Reduction of operating cost including the cost of utilities to operate,
· Replacement of obsolete equipment with new and higher efficiency equipment and systems.
· Improved operations and indoor air quality and health safety related operations.
· Reduction in costs associated with building cleaning.
· Higher level of comfort for building customers and improved environment for teaching and student learning.

Eastern Washington University is recognized as a model of diversity-serving institution. The project prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing **access** to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.
As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

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Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000077
Project Title: 2021-2023 Preventative Maintenance/Backlog Reduction

Project Class: Preservation

Description

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?
This requests will address high priority maintenance issues that are of high cost and critical need on the campus. These projects are developed and requested to address campus wide facilities deterioration and operational failure due to lack of funding for normal operational maintenance on buildings and building systems on campus. Projects include all facilities preservation and infrastructure preservation projects. These projects were identified through evaluation of our current systems by engineering consultants, regulatory agencies and plant staff. We captured the costs to maintain and operate the existing structures through our computerized maintenance management systems (CMMS). This work is specifically listed as repairs and replacements that cannot be completed due to lack of manpower or lack of operational resources.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
These projects reduce total replacement costs and defer major capital requests over a longer period of time. Implementing these projects extends the overall lifecycle of our facilities and aligns with our university's mission and goals by managing our maintenance backlog and reducing cost.

The university continues to capture and prioritize Minor Works so that when funds become available we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Unfortunately the results of not taking any action would be that deferred maintenance would increases and related operation cost would also increase. The potential for high cost catastrophic failures of system and equipment could mean emergency repairs and replacement would be necessary impaction campus operation having higher costs the planned improvements or replacements.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

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Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000077
Project Title: 2021-2023 Preventative Maintenance/Backlog Reduction

Project Class: Preservation

Description

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014). https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission 2019.
· Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
These projects reduce total replacement costs and defer major capital requests over a longer period of time. Implementing these projects extends the overall lifecycle of our facilities and aligns with our university's mission and goals by managing our maintenance backlog and reducing cost.

Good planning, system renewal and minor capital improvements allow for long term reduction of operating costs, reduction of emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

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Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000077
Project Title: 2021-2023 Preventative Maintenance/Backlog Reduction

Project Class: Preservation

Description

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
Preventative Maintenance/Backlog Reduction

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	2,217,000				2,217,000
	Total	**2,217,000**	**0**	**0**	**0**	**2,217,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
Backlog funds are used to replace and upgrade existing equipment and building systems that already have operating funding available.

SubProjects

SubProject Number: 40000104
SubProject Title: Preventative Maintenance/Backlog Reduction
SubProject Class Preservation

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Project Number: 40000077
Project Title: 2021-2023 Preventative Maintenance/Backlog Reduction

Project Class: Preservation

SubProjects

SubProject Number: 40000104
SubProject Title: Preventative Maintenance/Backlog Reduction
SubProject Class Preservation

Project Phase Title: Preventative Maintenance/Backlog Reduction
Starting Fiscal Year: 2022
Agency Priority: 11

Project Summary

Eastern Washington University systematically plans upgrades and replacement of critical facilities systems. These planned projects along with a comprehensive preventative maintenance program reduces risk, reduces operating costs saves energy and extends the lifecycle of campus systems. Both preventative maintenance and planned backlog reduction contribute to campus facilities success and improve our ability to offer high quality teaching and instructional space to support the university strategic mission.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Eastern's facilities are complex and costly resources to maintain and operate. These minor projects enable us to defer major capital expenditures through creative preservation measures that extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects to respond to the improvement and maintenance needs of our facilities and arranged for these projects to be completed within one renovation or improvement phase.

The request for this subproject is $2,000,000.

The results of these identified projects will be:
· Reduction of backlog maintenance.
· Reduction of operating cost including the cost of utilities to operate.
· Replacement of obsolete equipment with new and higher efficiency equipment and systems.
· Improved operations and indoor air quality and health safety related operations.
· Reduction in costs associated with building cleaning.
· Higher level of comfort for building customers and improved environment for teaching and student learning.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

This request will address high priority maintenance issues that are of high cost and critical need on the campus. Projects are developed and requested to address campus wide facilities deterioration and operational failure due to lack of funding for

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Project Class: Preservation

SubProjects

SubProject Number: 40000104
SubProject Title: Preventative Maintenance/Backlog Reduction
SubProject Class Preservation

normal operational maintenance on buildings and building systems on campus. Projects include all facilities preservation and infrastructure preservation projects. The results of approved funding will be installation of new equipment and repairs that will increase efficiency and reduce long term operating costs. These projects were identified through evaluation of our current systems by engineering consultants, regulatory agencies and plant staff. We captured the costs to maintain and operate the existing structures through our computerized maintenance management systems (CMMS). This work is specifically listed as repairs and replacements that cannot be completed due to lack of manpower or lack of operational resources.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
These projects reduce total replacement costs and defer major capital requests over a longer period of time. Implementing these projects extends the overall lifecycle of our facilities and aligns with our university's mission and goals by managing our maintenance backlog and reducing cost.

The university continues to capture and prioritize Minor Works so that when funds become available we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Unfortunately the results of not taking any action would be that deferred maintenance would increases and related operation cost would also increase. The potential for high cost catastrophic failures of system and equipment could mean emergency repairs and replacement would be necessary impaction campus operation having higher costs the planned improvements or replacements.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 40000077
Project Title: 2021-2023 Preventative Maintenance/Backlog Reduction

Project Class: Preservation

SubProjects

SubProject Number: 40000104
SubProject Title: Preventative Maintenance/Backlog Reduction
SubProject Class Preservation

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014). https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
Yes, when systems or equipment are upgraded Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission 2019.
· Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?

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These projects reduce total replacement costs and defer major capital requests over a longer period of time. Implementing these projects extends the overall lifecycle of our facilities and aligns with our university's mission and goals by managing our maintenance backlog and reducing cost.

Good planning, system renewal and minor capital improvements allow for long term reduction of operating costs, reduction of emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with this project.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

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Project Class: Preservation

SubProjects

SubProject Number: 40000105
SubProject Title: Preventative Maintenance/Backlog Reduction
SubProject Class Preservation

Project Phase Title: Preventative Maintenance/Backlog Reduction
Starting Fiscal Year: 2022
Agency Priority: 11

Project Summary

Eastern Washington University systematically plans upgrades and replacement of critical facilities systems. These planned projects along with a comprehensive preventative maintenance program reduces risk, reduces operating costs saves energy and extends the lifecycle of campus systems. Both preventative maintenance and planned backlog reduction contribute to campus facilities success and improve our ability to offer high quality teaching and instructional space to support the university strategic mission.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.
Eastern's facilities are complex and costly resources to maintain and operate. These minor projects enable us to defer major capital expenditures through creative preservation measures that extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects to respond to the improvement and maintenance needs of our facilities and arranged for these projects to be completed within one renovation or improvement phase.

The request for this subproject is $217,000

The results of these identified projects will be:
· Reduction of backlog maintenance.
· Reduction of operating cost including the cost of utilities to operate.
· Replacement of obsolete equipment with new and higher efficiency equipment and systems.
· Improved operations and indoor air quality and health safety related operations.
· Reduction in costs associated with building cleaning.
· Higher level of comfort for building customers and improved environment for teaching and student learning.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?
This request will address high priority maintenance issues that are of high cost and critical need on the campus. Projects are developed and requested to address campus wide facilities deterioration and operational failure due to lack of funding for

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SubProject Title: Preventative Maintenance/Backlog Reduction
SubProject Class Preservation

normal operational maintenance on buildings and building systems on campus. Projects include all facilities preservation and infrastructure preservation projects. The results of approved funding will be installation of new equipment and repairs that will increase efficiency and reduce long term operating costs. These projects were identified through evaluation of our current systems by engineering consultants, regulatory agencies and plant staff. We captured the costs to maintain and operate the existing structures through our computerized maintenance management systems (CMMS). This work is specifically listed as repairs and replacements that cannot be completed due to lack of manpower or lack of operational resources.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
These projects reduce total replacement costs and defer major capital requests over a longer period of time. Implementing these projects extends the overall lifecycle of our facilities and aligns with our university's mission and goals by managing our maintenance backlog and reducing cost.

The university continues to capture and prioritize Minor Works so that when funds become available we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Unfortunately the results of not taking any action would be that deferred maintenance would increases and related operation cost would also increase. The potential for high cost catastrophic failures of system and equipment could mean emergency repairs and replacement would be necessary impaction campus operation having higher costs the planned improvements or replacements.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Preservation project main goal are to maintain preserve, and extend the lifecycle of existing state facilities and assets. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

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Project Class: Preservation

SubProjects

SubProject Number: 40000105
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Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

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The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
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This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission 2019.
· Clean Building for Washington Act 2019.
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Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Facility Preservation (Minor Works)

Growth Management impacts
There are not Growth Management Impacts associated with this project.

Funding

		Expenditures			2021-23 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
057-1	State Bldg Constr-State	217,000				217,000
	Total	**217,000**	**0**	**0**	**0**	**217,000**

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

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Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 30000543
Project Title: Martin Hall Renovation

Project Class: Preservation

Description

Starting Fiscal Year: 2016
Agency Priority: 13

Project Summary
The project request is for funding to design and construct a full renovation of Martin Hall as stated in Eastern Washington University's Ten-Year Capital Plan

Project Description
Refer to Eastern's Ten-Year Capital Plan 2020 and our Comprehensive Campus Master Plan 2014.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Infrastructure (Major Projects)

Growth Management impacts
There are no growth management impacts associated with this project.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	54,550,000				
	Total	**54,550,000**	**0**	**0**	**0**	**0**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	3,550,000	51,000,000		
	Total	**3,550,000**	**51,000,000**	**0**	**0**

Operating Impacts

No Operating Impact

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Report Number: CBS002
Date Run: 9/11/2020 8:39AM

Project Number: 30000544
Project Title: Kingston Hall Renovation

Project Class: Preservation

Description

Starting Fiscal Year: 2019
Agency Priority: 14

Project Summary

This project provides for a complete modernization of Kingston Hall which currently houses the Mathematics Department and the College of Business & Public Administration. The deficiencies of the building lie in its inflexible design, dark interior spaces, and inability to accommodate current educational needs of the university. The building is very inefficient according to today's standards established by the Higher Education Coordinating Board for the State of Washington. As a measure of assignable square footage to gross square footage, Kingston Hall is currently 45 percent efficient compared to the standard of 60 percent required for general academic buildings. The high quantity of space that is not assigned to academic functions further increases the utility operating and maintenance costs associated with the building. Kingston Hall was originally built in 1972 at a size of 49,472 gross square feet. The three story structure, plus a half basement, consists primarily of reinforced masonry and concrete. It is structurally sound and received upgrades to the fire alarm system in 2009. In 2010, a new access control system was also installed. The current condition of the building is such that it can continue to serve the university until its scheduled modernization in 2025-27 and beyond.

Project Description

Refer to Eastern's Ten-Year Capital Plan 2020 and our Comprehensive Campus Master Plan 2014.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

There is no growth management impacts associated with this project.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	55,350,000				
	Total	**55,350,000**	**0**	**0**	**0**	**0**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	350,000	5,000,000	50,000,000	
	Total	**350,000**	**5,000,000**	**50,000,000**	**0**

Operating Impacts

No Operating Impact

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Report Number: CBS002
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Project Number: 30000545
Project Title: Showaltter Hall Remodel

Project Class: Preservation

Description

Starting Fiscal Year: 2021
Agency Priority: 15

Project Summary

This project provides for complete renovation and historically respectful restoration of Showalter Hall, first built in 1915 with over 100,000 gross square feet and located within the designated historical district of Eastern Washington University. The facility currently houses the Office of the President, the Provost, as well as various Vice President offices, staff, and administrative support services. Showalter Hall was built in an eclectic style that includes elements of Classical and Renaissance Revival. It is three stories high, with a basement and a half story extension above the auditorium in the rear wing. The original exterior features are almost entirely intact; however the six two-story auditorium windows have been updated. In 1957, the original wood and glass exterior doors were replaced by aluminum and glass doors. In 2001 the aluminum and glass doors in the main entrance were replaced with steel and glass replicas of the original wood and glass doors, restoring the external appearance of this entry. In 2010, the remainder of the exterior doors on the first floor was replaced with steel and glass replicas of the original doors, furthering strengthening the building's original appearance. Though attractive due to its elegant architectural features, it severely lacks in modern infrastructure. The electrical service and distribution circuits are at capacity and out of compliance with current electrical code requirements. The building does not have ducted, conditioned air to all interior spaces creating an imbalance of heating, cooling and ventilation. As a result, the building is often heating and cooling simultaneously due to open windows for ventilation. This problem is exacerbated with the supplemental use of window mounted air conditioning units that over tax the electrical service and detracts from energy efficiencies. The Showalter Hall project would restore the function, appearance, and infrastructure services of the University's primary and prestigious administrative building to current standards befitting the campus' oldest and most important building

Project Description

Refer to Eastern's Ten-Year Capital Plan 2020 and our Comprehensive Campus Master Plan 2014.

Location

City: Cheney **County:** Spokane **Legislative District:** 006

Project Type

Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts

There is no growth management impacts associated with this project.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	80,400,000				
	Total	**80,400,000**	**0**	**0**	**0**	**0**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State		400,000	5,000,000	75,000,000
	Total	**0**	**400,000**	**5,000,000**	**75,000,000**

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Project Number: 30000549
Project Title: Science Renovation
Project Class: Program

Description

Starting Fiscal Year: 2022
Agency Priority: 1

Project Summary

Eastern Washington University's 2014 Facilities Master Plan developed a University Science Center to house strategic Science Technology Engineering and Math (STEM) programs. The complete renovation of the existing Science Building is a critical component in this concept. Due to the age and condition of this facility and the pedological needs of Chemistry, Biology, Physics and Geology. This request is for phase I construction of the Science Building.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

A complete renovation of the Science Building allows EWU to take strategic advantage of the areas vacated to accommodate needed program growth in the Chemistry, Biology, Physics, Geology and Geography departments as well as resolving health, safety, welfare, and maintenance/repair deficiencies within the current Science Building.

The request of $45,000,000 for the 2021-2023 biennium is for Phase I Construction that will renovate approximately half of the existing building.

Since 2008, the number of STEM graduates at EWU have nearly doubled—from 320 students in 2007-08 to 610 in 2015-2016. STEM graduates have grown to be fully one-quarter of all degrees produced by EWU. Yet, we are the only regional university to not add any additional capital capacity for STEM programs in the last decade. At our current growth rate in STEM programs, EWU has exceeded the capacity of current science facilities and we anticipate being unable to meet future demand without the construction of additional science lab space.

We expect over the next 10 years our student population will grow by approximately 20%, and a disproportionately large share of the additional students will be seeking STEM related degrees. In order to meet the growing state and regional workforce demands for additional healthcare professionals and vocations in science -related fields, EWU will have to substantially increase our course offerings in basic science courses including biology, chemistry, biochemistry, geology, geology, and physics.

Even with the addition of the new Interdisciplinary Science is Center which will complete construction in the fall of 2020, the current Science Building is the only facility that will contain research laboratories capable of accommodating these programs. Currently, the research lab space in the building is not capable of serving all the needs of science student and faculty so expansion into renovated spaces made available by the moves into the new ISC is the most viable option.

In addition to lacking space, the existing research lab facilities are lacking in size, infrastructure, storage, and equipment. Other deficiencies in the building include health and safety issues, accessibility violations, HVAC lifecycle failures, technology deficiencies, lack of student spaces, increasingly high cost of maintenance and repairs, and very high energy costs. All of these deficiencies are at odds with the university's mission to provide an excellent student-centered learning environment, resources, and facilities.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this project was developed the university consistently look sfor improvements that create operating budget savings. Our newer facilities are more energy efficient in include analysis of systems and materials that have longer life cycles with less

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Project Number: 30000549
Project Title: Science Renovation
Project Class: Program

Description

maintenance resources required to operate. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (predesign/design of a building, additional space, etc.)? When will the project start/end? Identify if the project can be phased, and if so, which phase is included in the request. Provide detailed cost backup.
The total completed project will renovate the existing 148,149 GSF science building that was originally constructed in 1962 and added onto in 1989. The 2021-23 funding request is for the first phase of construction, which would start in January 2022 and end May 2023.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The new Eastern Washington University Science Center will be comprised of the new Interdisciplinary Science Center and the newly renovated Science Building. Our current science facility presents three major problems that we propose solving through both the construction of the new Interdisciplinary Science Center and the renovation of our existing science building:

- *The need for additional modern lab capacity*: The new interdisciplinary science center will be primarily teaching and research lab space to meet the needs of Biology, Chemistry/Biochemistry, Geology, Geography, and Physics. Current labs do not meet modern building codes and have multiple deficiencies that prevent the types or teaching and research necessary in modern STEM fields.

- *A current lack of capacity for interdisciplinary STEM work*: The current segmented Science Building provides little opportunity for cross-disciplinary work, as many labs and classrooms are discipline specific and are too outdated to accommodate modern lab needs and equipment. The new facility will provide opportunities for learning and research across disciplines as well as interdisciplinary faculty cooperation that is not possible in the current Science Building.

- *Outdated classroom and technology infrastructure*: The primary purpose of the renovation of the existing Science Building is to modernize current classroom infrastructure and provide new opportunities for advanced STEM education and distance learning. Both the Interdisciplinary Science Center and the renovated Science Building will expand current infrastructure to support the virtual campus and provide the Science departments with currently non-existent teaching lab facilities that support the virtual campus.

Across the two buildings, the new Science Center will provide:
· State of the art teaching and research laboratory space.
· Additional laboratory capacity to accommodate growth across the science disciplines.
· Modern classroom space to enable the delivery of distance learning science courses and collaboration with our programs at other EWU locations including Bellevue College and Lower Columbia College.
· Additional faculty office space to enable hiring of new faculty positions to support growing programs.

The option of taking no action would result in a dated science research facility that does not meet the needs of the community. Once the new Interdisciplinary Science Center is completed, functions will be moved out of the old building into the new one leaving large voids of space, most of which would not lend itself to expanding our research laboratories into them. The problems of the old building's health, safety, ADA, and HVAC systems would not be addressed. The long-term goals of advancing our STEM programs would be greatly hampered without the integration of modern research laboratories.

The current objective is to phase the construction of this facility into two phases. This will allow lower cost for the surge requirements and less disruption to departments and programs housed in this building.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.

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Project Class: Program

Description

Through the detailed programming and cost analysis of the predesign study, it was determined that Alternative IV, the Interdisciplinary Science Center (ISC), in the Chemistry / Physics predesign would be the option moving forward in terms of funding. This option provided an addition to the north of the existing Science Building that included teaching laboratories and classrooms for chemistry, physics, biology, and geology. Where it would be our preference to construct a single new facility that would accommodate all needs and correct every deficiency at the lowest overall cost, application for funding of projects exceeding $150 million was not deemed feasible or practical.

Pre Design Study is available at the following website address:
https://inside.ewu.edu/facilities/ewu-science-building-renovation-predesign-study_-july-2016_final/

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
The units affected by this budget request include the departments of chemistry, biology, microbiology, geology, geography, and physics. Execution of this project would enable the university to expand to meet the growing need for STEM graduates in the regional and statewide marketplace in healthcare, laboratory research, and other related fields.

Does this project or program leverage non-state funding? If yes, how much by source? If the other funding source requires cost share, also include the minimum state (or other) share OF project cost allowable and the supporting citation or documentation
No non-state funds will be used to complete the project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.
In 2014, the university updated the Cheney Campus Comprehensive Master Plan. In Horizon 1 (2013 to 2023) 1.4.1, the plan states: Significantly renovate or replace the Science Building. With the anticipated construction of the Interdisciplinary Science Building, several spaces within the existing building will be vacated allowing for growth within the remaining science departments without the potential of making significant additions.

Copies of the Academic Strategic Plan (2018) and our Comprehensive Campus Master Plan (2014) can be found at the following sites:

https://sites.ewu.edu/strategic-planning/

https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

This project has followed the standard state process for Pre Design and Design requests. Detailed studies and analysis are provide in the Phase 1 construction request submitted as a major project request in the 2021-2023 Capital Request.

Does this project in IT-related costs, including hardware, software, cloud-based services, contracts or IT staff? If yes IT Addendum.
This funding request is for construction of Phase I. The systems within the Science Building renovation are system that are established on campus for other facilities and academic programs. This facility renovation will only expand those existing systems to meet the program and departmental needs.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project is not linked to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.

OFM

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 30000549
Project Title: Science Renovation
Project Class: Program

Description

This project will be designed and constructed to meet all current code requirements as they relate to reducing carbon emissions and energy efficiency.
The following documents are a framework for this buildings requirements.

-RCW 39.35D High Performance Public Buildings – high efficiency components and systems
-RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
-HB 2311 Greenhouse Gas Emission 2019
-Clean Building for Washington Act 2019
-EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
EWU requested and received funding for the design of this project for the 2019-21 biennium and all design will be complete for bidding Phase I at the end of the biennium. It is critical that this first phase of construction receives state capital funding as the project provides additional space needed to meet the growing demands for STEM and healthcare-based degrees.
Upon Completion of Phase I and Phase II, the Science Renovation Project will achieve the following goals:
· Meet EWU's and the Science Programs projected growth in STEM and Healthcare related professions.
· Address a shortage of suitable classroom, office, research and lab space within the science department, and create student interaction/collaborative spaces throughout the new Science Renovation project.
· Teaching, research and lab support spaces need to be updated to meet current programmatic needs.
· Encourage collaboration and synergy across departments; promote increased flow and movement between the Science Building Renovation and new Interdisciplinary Science Center Building.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Remodel/Renovate/Modernize (Major Projects)

Growth Management impacts
There are no Growth Management impact on this project

New Facility: No
How does this fit in master plan
This project is a renovation of an existing facility.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	90,500,000				45,000,000
	Total	**90,500,000**	**0**	**0**	**0**	**45,000,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	45,500,000			
	Total	**45,500,000**	**0**	**0**	**0**

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2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 30000549
Project Title: Science Renovation
Project Class: Program

Operating Impacts

No Operating Impact

Narrative

This the renovation of an existing facility and will add no additional square feet.

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Science Renovation - Cosntruction Phase 1
OFM Project Number	40000036

Contact Information	
Name	Jim Moeller / EWU Construction & Planning
Phone Number	509-359-6565
Email	jmoeller@ewu.edu

Statistics			
Gross Square Feet	73,298	MACC per Square Foot	$412
Usable Square Feet	50,787	Escalated MACC per Square Foot	$434
Space Efficiency	69.3%	A/E Fee Class	A
Construction Type	Laboratories (Research)	A/E Fee Percentage	10.78%
Remodel	Yes	Projected Life of Asset (Years)	50
Additional Project Details			
Alternative Public Works Project	No	Art Requirement Applies	Yes
Inflation Rate	2.38%	Higher Ed Institution	Yes
Sales Tax Rate %	8.80%	Location Used for Tax Rate	3,202
Contingency Rate	9%		
Base Month	June-20	OFM UFI# (from FPMT, if available)	
Project Administered By	Agency		

Schedule			
Predesign Start	January-16	Predesign End	July-16
Design Start	January-20	Design End	October-21
Construction Start	January-22	Construction End	May-23
Construction Duration	16 Months		

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Project Cost Estimate

Total Project	**$42,736,256**	Total Project Escalated	**$45,000,110**
		Rounded Escalated Total	**$45,000,000**

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Science Renovation - Cosntruction Phase 1
OFM Project Number	40000036

Cost Estimate Summary

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$0		
A/E Basic Design Services	$669,708		
Extra Services	$240,000		
Other Services	$79,239		
Design Services Contingency	$89,005		
Consultant Services Subtotal	**$1,077,952**	**Consultant Services Subtotal Escalated**	**$1,097,022**

Construction			
Construction Contingencies	$2,718,675	Construction Contingencies Escalated	$2,866,571
Maximum Allowable Construction Cost (MACC)	$30,207,500	Maximum Allowable Construction Cost (MACC) Escalated	$31,845,376
Sales Tax	$2,897,503	Sales Tax Escalated	$3,054,652
Construction Subtotal	**$35,823,678**	**Construction Subtotal Escalated**	**$37,766,599**

Equipment			
Equipment	$3,780,000		
Sales Tax	$332,640		
Non-Taxable Items	$0		
Equipment Subtotal	**$4,112,640**	**Equipment Subtotal Escalated**	**$4,336,368**

Artwork			
Artwork Subtotal	**$223,881**	**Artwork Subtotal Escalated**	**$223,881**

Agency Project Administration			
Agency Project Administration Subtotal	$1,293,105		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$1,293,105**	**Project Administation Subtotal Escalated**	**$1,363,450**

Other Costs			
Other Costs Subtotal	**$205,000**	**Other Costs Subtotal Escalated**	**$212,790**

Project Cost Estimate

Total Project	**$42,736,256**	Total Project Escalated	**$45,000,110**
		Rounded Escalated Total	**$45,000,000**

Cost Estimate Details

Acquisition Costs					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Purchase/Lease					
Appraisal and Closing					
Right of Way					
Demolition					
Pre-Site Development					
Other					
Insert Row Here					
ACQUISITION TOTAL	**$0**		**NA**	**$0**	

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Cost Estimate Details

Consultant Services				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
1) Pre-Schematic Design Services				
Programming/Site Analysis				
Environmental Analysis				
Predesign Study				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0000**	**$0**	Escalated to Design Start
2) Construction Documents				
A/E Basic Design Services	$2,449,115			69% of A/E Basic Services
Other	$620,000			CD & Bidding for Construction Phase 1
Deduct Basic Services Covered under 2019-2021 Appropriation	-$2,399,407			
Sub TOTAL	**$669,708**	**1.0109**	**$677,008**	Escalated to Mid-Design
3) Extra Services				
Civil Design (Above Basic Svcs)				
Geotechnical Investigation				
Commissioning	$100,000			
Site Survey				
Testing	$40,000			
LEED Services				
Voice/Data Consultant				
Value Engineering				
Constructability Review				
Environmental Mitigation (EIS)	$100,000			
Landscape Consultant				
Other				
Insert Row Here				
Sub TOTAL	**$240,000**	**1.0109**	**$242,616**	Escalated to Mid-Design
4) Other Services				
Bid/Construction/Closeout	$1,100,327			31% of A/E Basic Services
HVAC Balancing	$50,000			
Staffing				
Deduct Basic Services Covered under 2019-21 Appropriation	-$1,071,088			
Insert Row Here				
Sub TOTAL	**$79,239**	**1.0544**	**$83,550**	Escalated to Mid-Const.
5) Design Services Contingency				
Design Services Contingency	$89,005			
Other				
Insert Row Here				
Sub TOTAL	**$89,005**	**1.0544**	**$93,848**	Escalated to Mid-Const.
CONSULTANT SERVICES TOTAL	**$1,077,952**		**$1,097,022**	

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Cost Estimate Details

Construction Contracts				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
1) Site Work				
G10 - Site Preparation	$30,000			
G20 - Site Improvements	$100,000			
G30 - Site Mechanical Utilities	$100,000			
G40 - Site Electrical Utilities	$100,000			
G60 - Other Site Construction				
Other				
Insert Row Here				
Sub TOTAL	**$330,000**	**1.0380**	**$342,540**	
2) Related Project Costs				
Offsite Improvements				
City Utilities Relocation				
Parking Mitigation				
Stormwater Retention/Detention				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0380**	**$0**	
3) Facility Construction				
A10 - Foundations	$40,000			
A20 - Basement Construction	$0			
B10 - Superstructure	$340,000			
B20 - Exterior Closure	$390,000			
B30 - Roofing	$940,000			
C10 - Interior Construction	$3,100,000			
C20 - Stairs	$90,000			
C30 - Interior Finishes	$1,940,000			
D10 - Conveying	$140,000			
D20 - Plumbing Systems	$1,880,000			
D30 - HVAC Systems	$5,420,000			
D40 - Fire Protection Systems	$300,000			
D50 - Electrical Systems	$4,190,000			
F10 - Special Construction	$390,000			
F20 - Selective Demolition	$925,000			
General Conditions	$1,390,000			
Lab Casework	$3,840,000			
Insulate 1960 Add'n Structure	$280,000			
Replace Exterior Storefront Systems	$830,000			
Built-in Equipment	$45,000			
Design/Estimating Contingency @ Approx. 15%	$3,407,500			
Sub TOTAL	**$29,877,500**	**1.0544**	**$31,502,836**	
4) Maximum Allowable Construction Cost				
MACC Sub TOTAL	**$30,207,500**		**$31,845,376**	

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7) Construction Contingency				
Allowance for Change Orders	$2,718,675			
Other				
Insert Row Here				
Sub TOTAL	**$2,718,675**	**1.0544**	**$2,866,571**	
8) Non-Taxable Items				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0544**	**$0**	
Sales Tax				
Sub TOTAL	**$2,897,503**		**$3,054,652**	
CONSTRUCTION CONTRACTS TOTAL	**$35,823,678**		**$37,766,599**	

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Cost Estimate Details

Equipment				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
E10 - Equipment	$1,600,000			
E20 - Furnishings	$1,600,000			
F10 - Special Construction				
OFOI Telecom Systems	$150,000			
Audio/Visual Systems	$150,000			
Security Camera Systems	$100,000			
Contingency @ 5%	$180,000			
Sub TOTAL	**$3,780,000**	**1.0544**	**$3,985,632**	
1) Non Taxable Items				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0544**	**$0**	
Sales Tax				
Sub TOTAL	**$332,640**		**$350,736**	
EQUIPMENT TOTAL	**$4,112,640**		**$4,336,368**	

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Cost Estimate Details

Artwork					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Project Artwork	$0				0.5% of total project cost for new construction
Higher Ed Artwork	$223,881				0.5% of total project cost for new and renewal construction
Other					
Insert Row Here					
ARTWORK TOTAL	**$223,881**		**NA**	**$223,881**	

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Cost Estimate Details

Project Management					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Agency Project Management	$1,293,105				
Additional Services					
Other					
Insert Row Here					
PROJECT MANAGEMENT TOTAL	**$1,293,105**		**1.0544**	**$1,363,450**	

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Cost Estimate Details

Other Costs				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
Mitigation Costs				
Hazardous Material Remediation/Removal	$150,000			
Historic and Archeological Mitigation				
In-=Plant Services	$50,000			
Hazmat Testing	$5,000			
OTHER COSTS TOTAL	**$205,000**	**1.0380**	**$212,790**	

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370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 30000556
Project Title: Engineering Building
Project Class: Program

Description

Starting Fiscal Year: 2020
Agency Priority: 3

Project Summary

The current success and sustained growth of Eastern Washington University's engineering programs and degrees is being limited by the lack of appropriate space to house Science Technology Engineering and Mathematics (STEM) related programs. This has become a function of lack of required space and the lack of quality space to support student success.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Engineering is one of the fastest growing but most physically constrained departments at EWU. The program has demonstrated sustained demand for enrollment and success in providing highly qualified graduates to the marketplace, but future growth is restricted by the lack of appropriate space for its core programs. The Engineering Department currently cannot accommodate additional growth due to space limitations.

EWU requests design funds of $3,500,000 for the EWU Engineering Building on the Cheney Washington campus as described in the Predesign report submitted to OFM prior to July 1, 2020. This project is a major project in the Growth Category.

EWU proposes that this new facility on the campus connect to the Computing and Engineering Building (CEB), increasing facility capacity, solving facility deficiencies, and meeting future needs. The building is envisioned as a 74,155 GSF facility which will house hands-on teaching laboratories, research laboratories, lab support facilities, and student meeting and study areas. 23,650 GSF of CEB will be lightly modified to create physical connections, take advantage of available space suited to the program, and optimize instructional efficiencies. This is a Major Capital Project in the Growth Category.

A primary goal in Eastern's strategic plan is to create the EWU Virtual Campus, which will provide a premier learning environment for place-bound students and professionals seeking to improve their skills and their own potential for promotion within the workplace. We are a university of opportunity and the programs housed in the facility would offer a high potential for a variety of technically oriented degrees to be completed by place-bound students through online offerings.

Learning how to talk about their work with non-engineers is seen as a critical skill for EWU Engineering graduates, and the department supports that through community and industry outreach programs and events which the students are expected to participate in. The Engineering Department has built successful outreach programs to rural and underserved prospective student populations by providing hands-on engineering activities, events and clubs with the community. It would be most impactful to host these events in the engineering facilities in order to allow prospective students to visualize a college engineering experience but the department currently cannot house these events due to the space constraints and safety concerns described earlier, and so most outreach is mobile.

Additionally, students in certain technical fields, at no less than 24 community colleges, in the state and region have the option of completing a Bachelor of Science in Applied Technology with their AA degree through Eastern's transfer program. Graduates with specific Associate of Science degrees from the Spokane Community College System may also complete bachelor degrees in Applied Technology on the Cheney campus.

Eastern Washington University is recognized as a model diversity-serving institution. This project request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

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Project Title: Engineering Building
Project Class: Program

Description

What will the request produce or construct (i.e., predesign or design of a building, construction of additional space, etc.)? When will the project start and be completed? Identify whether the project can be phased, and if so, which phase is included in the request. Be prepared to provide detailed cost backup.
This request is for design funds in the amount of $3,500,000. A pre design study was submitted to the Office of Financial Management on July 1, 2020 for review. This request if part of the traditional request for project funding. It is anticipated, if funding is approved, for design to begin in November of 2021 and completed in January of 2023. Subsequent request for construction funding would be submitted in the 2023-2025 biennial request, with construction beginning July of 2023 and the building completion March 2025.

Phasing project does not lend itself to phasing due to the fact that all the teaching labs areas are seriously deficient and constraining growth for multiple programs identified. The pre design study provides a comprehensive breakdown of the anticipated cost of this project. That pre design study is attached to the funding request submitted for evaluation in August of 2020.

How would the request address the problem or opportunity identified in question 1? What would be the result of not taking action? As stated, the sustained growth of engineering programs will continue as the university continues to provide proficient and high-level instructional support along with facilities that support our students' success. The opportunity is clear: to continue the trajectory of the programs that will not only change our student's lifelong potential but also solve some of the 21st century's most challenging issues.

At the core of this request is the lack of capacity that is impeding growth. The current capacity is an obstacle to growth in the Engineering disciplines. Currently there is not certification difficulty in the programs, but the ability to move forward with additional programs and degrees will be hindered without specific teaching and research laboratory spaces available. Programs that require flexible and multi-discipline collaboration spaces are key for future degree certification.

The results of not taking this action would mean the university cannot meet the growing demonstrated demand for the engineering programs already underway at the university. Prior to capping enrollment due to lack of space in 2018-2019, the ME program saw a 45.7% overall increase in the three years between 2014-15 and 2017-18 (from 481 to 701 students). Once space is available and the cap can be lifted, the University's expectation is that this rate is likely to continue.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associated predesign, please summarize the alternatives the predesign considered.
As a part of the pre design study a variety of alternatives were considered for remodel of existing buildings, standalone project an annex to the existing Computer and Engineering Building. Site location and adjacency to supporting programs and departments was a major consideration in the study.

The current inventory of teaching lab space does not meet the specific technical needs of the engineering program. Available lab space does not have the infrastructure or equipment for many of the functions with the programs. In addition, there is a shortage of shop lab space with the current levels of need for programs such as engineering, technology and computer science. Programming for new lab space in this project will be assessed for how it supports the project and the goals of the department and university, and also how it affects the overall utilization rates for teaching labs for the university as a whole. The decision was made that it was more cost effective to design and construct a building that was an addition to the existing Computer Science Building to best connect to the existing space and build high quality specialty space for the Engineering programs.

Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served, etc.
Listed below are the degree options, within the Department of Mechanical Engineering & Technology. Key to the project is in the integrated labs and support spaces that allow for community outreach programs and activities with rural and underserved populations. The new facility will encourage student engagement with the regional engineering industry, the Engineering Department and each other.

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Project Title: Engineering Building
Project Class: Program

Description

Current programs/degrees associated with this project are as follows:
-Mechanical Engineering / Mechanical Engineering Technology (Bachelor of Science)
-Manufacturing Technology: DFM Option (Bachelor of Science)
-Manufacturing Technology: Process Option (Bachelor of Science)
-Construction Management Technology (Bachelor of Science)
-Applied Technology (Bachelor of Science)

Will other funding be used to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
The funding request for this project is for 057 state bonded funds. Currently no other funding is available for this project.

Describe how this project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming and other analyses as appropriate.
Engineering is forecasted to be one of the top three projected STEM occupations in 2027 in Washington State and the Northeast Washington region. State reports indicate a -43% gap in supply of engineering bachelor's degrees needed to meet workforce demand in Washington State in the next five years. All bachelor degrees and certificate programs offered by EWU's Engineering Department are designated STEM/High Demand by the State of Washington and prepare students for entry into cutting-edge engineering and related professions.
The mission of Eastern Washington University is to expand opportunities for personal transformation through excellence in learning. The Engineering Building will support EWU's 2018- 2023 Institutional Strategic Plan by:
IGNITE Change: The Engineering Building will be a student centered environment. Its high quality, hands-on teaching and project laboratories, flexible work areas and student interaction spaces will inspire prospective students and fully support their unique engineering interests and ideas through degree completion.
EMBRACE Equity & Social Justice: Not only will the Engineering Building provide the teaching facilities needed to meet the current and forecasted demand for enrollment which will increase access to high demand degrees, it provides critical space for community engagement with prospective rural and underserved students to participate in hands-on engineering activities.
DRIVE Innovation: Increasing facility capacity will allow the department to hire additional FTE faculty. The Engineering Building's state-of-the-art teaching laboratories and collaboration spaces will support innovative instruction and exchange of ideas.
TRANSFORM Our Region: The Engineering Building will increase interaction with the cutting-edge mechanical engineering and applied manufacturing industry in the region through dedicated laboratories for faculty and industry research and flexible space for departmental outreach. Bringing industry into the program will help students not only see their own future but how they can shape the future.

Eastern's current Strategic plan in its entirety is located at
https://inside.ewu.edu/strategic-planning/institutional-strategic-plan-2018-2023/
Academic program planning and review are embedded in the University's Policy under: Accountability, Program Improvement, and Program and Resource alignment (EWU Policy 303-40) located at
https://inside.ewu.edu/policies/knowledge-base/ap-303-40-academic-program-review/
In 2014, the university update the Cheney Campus Comprehensive Master Plan. In Horizon 1 (2013 to 2023) 1.4.5, the plan states: Construct addition to the Computer and Engineering Building.

The intention of the pre-design study is to asses this facility for its use to fulfil that part of the Comprehensive Campus Master Plan. The intent to evaluate the building for renewal, expansion or if those options are not cost effective and meet the university need request a building adjacent to Cheney Hall and the Computer Engineering Building that supports those needs. The current Comprehensive Campus Master Plan can be seem in its entirety at:
https://in.ewu.edu/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

For IT-related costs: Does this project fund the development or acquisition of a new or enhanced software or hardware system or service?

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Project Title: Engineering Building
Project Class: Program

Description

This project does not fund the development or acquisition of new or enhanced software or hardware systems or service. This facility will use already established software and hardware platforms that are currently on campus.

Does this decision package (DP) fund the acquisition or enhancements of any agency data centers? (See OCIO Policy 184 for definition.)
No.

Does this DP fund the continuation of a project that is, or will be, under OCIO oversight? (See OCIO Policy 121.) If the answer to any of these questions is yes, continue to the IT Addendum and follow the directions to meet the requirements for OCIO review.
No.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 12 (Puget Sound Recovery) in the 2019-21 Operating Budget Instructions.
This project is has no association with the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or improve energy efficiency? If yes, please elaborate.
Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

-RCW 39.35D High Performance Public Buildings – high efficiency components and systems
-RCW 43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
-HB 2311 Greenhouse Gas Emission Limits 2019
-HB 1257 Clean Building for Washington Act 2019
-EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like decision makers to know when evaluating this request?
Eastern Washington University's Cheney campus offers rigorous and pragmatic Mechanical Engineering and Technology (MENT) degrees that prioritize hands-on training and applied learning. The majority of students are enrolled in Mechanical Engineering, Mechanical Engineering Technology, Applied Technology, Construction Management Technology, and Manufacturing Technology with both a DFM and Process option.

EWU's engineering classes are taught exclusively by faculty with industry experience.Since inception in 2010, EWU's Mechanical Engineering and Technology program has experienced strong and sustained enrollment growth. The department has built highly successful outreach programs to rural and underserved prospective student populations and continuation programs with community colleges. Forecasted growth over the next ten years shows that the Mechanical Engineering and Technology program will remain one of the university's fastest growing fields.

EWU's engineering graduates are highly sought after in the growing regional mechanical engineering marketplace. Spokane and West Plains mechanical engineering companies have emerged as major players in their markets encouraging even more peer companies to the region. A 2009 survey of 2008 EWU Mechanical Engineering and Technology graduates showed that 85% were in full-time positions within the first six months after graduation, a rate that has held steady for the past three years, with 55% reporting salaries of over $60,000 *in their first year*.

Despite the demand for both enrollment and graduates, the Engineering Department capped enrollment in 2018-2019 due to

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Project Title: Engineering Building
Project Class: Program

Description

lack of facility capacity. Lack of space also restricts the hiring of additional faculty FTEs to instruct engineering classes and has severely limited engineering research and on-campus industry collaboration.

The department has outgrown the only existing facilities suitable for the hands-on laboratory training which makes up a significant portion of Mechanical Engineering and Technology education. The existing facilities also have serious deficiencies including student safety concerns due to poor instructor sightlines, reduced overhead clearances and limited overhead services which restrict evolution with changing machine technology, aging technological infrastructure, ADA accessibility concerns, and lack of student interaction spaces among others.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
New Facilities/Additions (Major Projects)

Growth Management impacts
There are no Growth Management Impacts related to this project.

New Facility: Yes
How does this fit in master plan
In 2014 the university update the Cheney Campus Comprehensive Master Plan. In Horizon 1 (2013 to 2023) 1.4.5, the plan states: Construct addition to the Computer and Engineering Building. We are currently looking at with Cheney Hall this planning consideration. The intention of the pre design study is to asses this facility for its use to fulfil that part of the Comprehensive Campus Master Plan. The intent to evaluate the building for renewal, expansion or if those options are not cost effective and meet the university need request a building adjacent to Cheney Hall and the Computer Engineering Building that supports those needs.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	73,248,000				3,500,000
061-1	EWU Capital Projects-State	345,000		345,000		
	Total	**73,593,000**	**0**	**345,000**	**0**	**3,500,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State	69,748,000			
061-1	EWU Capital Projects-State				
	Total	**69,748,000**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Engineering Building
OFM Project Number	30000556

Contact Information	
Name	Shawn King
Phone Number	509-359-6878
Email	sking@ewu.edu

Statistics			
Gross Square Feet	97,805	MACC per Square Foot	$460
Usable Square Feet	53,792	Escalated MACC per Square Foot	$504
Space Efficiency	55.0%	A/E Fee Class	A
Construction Type	Other Sch. A Projects	A/E Fee Percentage	7.28%
Remodel	No	Projected Life of Asset (Years)	30
Additional Project Details			
Alternative Public Works Project		Art Requirement Applies	Yes
Inflation Rate	2.38%	Higher Ed Institution	Yes
Sales Tax Rate %	8.70%	Location Used for Tax Rate	Cheney, WA
Contingency Rate	5%		
Base Month	June-20	OFM UFI# (from FPMT, if available)	
Project Administered By	Agency		

Schedule			
Predesign Start	February-20	Predesign End	June-20
Design Start	November-21	Design End	January-23
Construction Start	July-23	Construction End	March-25
Construction Duration	20 Months		

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Project Cost Estimate

Total Project	**$63,921,263**	Total Project Escalated	**$69,748,366**
		Rounded Escalated Total	**$69,748,000**

STATE OF WASHINGTON
AGENCY / INSTITUTION PROJECT COST SUMMARY

Updated June 2020

Agency	Eastern Washington University
Project Name	Engineering Building
OFM Project Number	30000556

Cost Estimate Summary

Acquisition			
Acquisition Subtotal	**$0**	**Acquisition Subtotal Escalated**	**$0**

Consultant Services			
Predesign Services	$295,214		
A/E Basic Design Services	$2,390,408		
Extra Services	$1,490,797		
Other Services	$1,161,059		
Design Services Contingency	$266,874		
Consultant Services Subtotal	**$5,604,352**	**Consultant Services Subtotal Escalated**	**$5,939,232**

Construction			
Construction Contingencies	$2,551,779	Construction Contingencies Escalated	$2,798,026
Maximum Allowable Construction Cost (MACC)	$45,035,573	Maximum Allowable Construction Cost (MACC) Escalated	$49,303,460
Sales Tax	$4,140,100	Sales Tax Escalated	$4,532,830
Construction Subtotal	**$51,727,451**	**Construction Subtotal Escalated**	**$56,634,316**

Equipment			
Equipment	$3,377,668		
Sales Tax	$293,857		
Non-Taxable Items	$0		
Equipment Subtotal	**$3,671,525**	**Equipment Subtotal Escalated**	**$4,025,828**

Artwork			
Artwork Subtotal	**$347,007**	**Artwork Subtotal Escalated**	**$347,007**

Agency Project Administration			
Agency Project Administration Subtotal	$1,770,928		
DES Additional Services Subtotal	$0		
Other Project Admin Costs	$0		
Project Administration Subtotal	**$1,770,928**	**Project Administation Subtotal Escalated**	**$1,941,823**

Other Costs			
Other Costs Subtotal	**$800,000**	**Other Costs Subtotal Escalated**	**$860,160**

Project Cost Estimate

Total Project	**$63,921,263**	Total Project Escalated	**$69,748,366**
		Rounded Escalated Total	**$69,748,000**

Cost Estimate Details

Acquisition Costs					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Purchase/Lease					
Appraisal and Closing					
Right of Way					
Demolition					
Pre-Site Development					
Other					
Insert Row Here					
ACQUISITION TOTAL	**$0**		**NA**	**$0**	

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Cost Estimate Details

Consultant Services				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
1) Pre-Schematic Design Services				
Programming/Site Analysis				
Environmental Analysis				
Predesign Study	$295,214			
Other				
Insert Row Here				
Sub TOTAL	**$295,214**	**1.0339**	**$305,222**	Escalated to Design Start
2) Construction Documents				
A/E Basic Design Services	$2,390,408			69% of A/E Basic Services
Other				
Insert Row Here				
Sub TOTAL	**$2,390,408**	**1.0482**	**$2,505,626**	Escalated to Mid-Design
3) Extra Services				
Civil Design (Above Basic Svcs)	$95,965			
Geotechnical Investigation	$29,750			
Commissioning	(see "Other Serv.")			
Site Survey	$25,500			
Testing	(see "Other Serv.")			
LEED Services	$88,035			
Voice/Data Consultant	$53,849			
Value Engineering	$35,080			
Constructability Review	$28,033			
Environmental Mitigation (EIS)	(see "Other Serv.")			
Landscape Consultant	$142,719			
Electronic Security Consultant	$17,876			
Audiovisual Consultant	$39,572			
Lighting Consultant	$51,710			
Laboratory Consultant	$254,220			
Acoustical Consultant	$30,396			
Interior Design	$58,310			
Elevator Consultant	$18,976			
Hardware Consultant	$7,922			
Code Consultant				
Building Envelope Consultant	$91,503			
Value Engineering Support	$35,080			
Constructability Participation	$28,033			
Energy Life Cycle Cost Analysis	$30,804			
Life Cycle Cost Analysis	$90,066			
Renovation Design at CEB	$31,480			
Energy Modeling	$58,582			
Models & Renderings	$14,450			
Full Fire Protection Design	$12,886			
Reimbursable Expenses	$120,000			
Sub TOTAL	**$1,490,797**	**1.0482**	**$1,562,654**	Escalated to Mid-Design
4) Other Services				
	$1,073,951			31% of A/E Basic Services

HVAC Balancing	$17,000			
Staffing				
Commissioning Support	$29,862			
Record Drawings	$40,246			
Sub TOTAL	**$1,161,059**	**1.0965**	**$1,273,102**	Escalated to Mid-Const.
5) Design Services Contingency				
Design Services Contingency	$266,874			
Other				
Insert Row Here				
Sub TOTAL	**$266,874**	**1.0965**	**$292,628**	Escalated to Mid-Const.
CONSULTANT SERVICES TOTAL	**$5,604,352**		**$5,939,232**	

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Cost Estimate Details

Construction Contracts				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
1) Site Work				
G10 - Site Preparation	$1,675,641			
G20 - Site Improvements	$885,139			
G30 - Site Mechanical Utilities	$324,229			
G40 - Site Electrical Utilities	$779,154			
G60 - Other Site Construction	$0			
Other				
Insert Row Here				
Sub TOTAL	**$3,664,163**	**1.0752**	**$3,939,708**	
2) Related Project Costs				
Offsite Improvements				
City Utilities Relocation				
Parking Mitigation				
Stormwater Retention/Detention				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0752**	**$0**	
3) Facility Construction				
A10 - Foundations	$1,081,267			
A20 - Basement Construction	$660,265			
B10 - Superstructure	$4,751,825			
B20 - Exterior Closure	$4,037,259			
B30 - Roofing	$874,932			
C10 - Interior Construction	$2,639,646			
C20 - Stairs	$251,340			
C30 - Interior Finishes	$2,718,760			
D10 - Conveying	$402,144			
D20 - Plumbing Systems	$2,599,037			
D30 - HVAC Systems	$7,027,376			
D40 - Fire Protection Systems	$470,362			
D50 - Electrical Systems	$6,304,738			
F10 - Special Construction				
F20 - Selective Demolition	$240,583			
General Conditions	$1,800,000			
CFCI Equipment	$2,394,956			
CFCI Casework and Furnishings	$953,921			
Escalation Adjustment	$2,162,999			
Sub TOTAL	**$41,371,410**	**1.0965**	**$45,363,752**	
4) Maximum Allowable Construction Cost				
MACC Sub TOTAL	**$45,035,573**		**$49,303,460**	

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7) Construction Contingency				
Allowance for Change Orders	$2,251,779			
Additional Allowance for Renovation Portion of Project	$300,000			
Insert Row Here				
Sub TOTAL	**$2,551,779**	**1.0965**	**$2,798,026**	
8) Non-Taxable Items				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0965**	**$0**	
Sales Tax				
Sub TOTAL	**$4,140,100**		**$4,532,830**	
CONSTRUCTION CONTRACTS TOTAL	**$51,727,451**		**$56,634,316**	

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Cost Estimate Details

Equipment				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
E10 - Equipment	$2,251,779			
E20 - Furnishings	$1,125,889			
F10 - Special Construction				
Other				
Insert Row Here				
Sub TOTAL	**$3,377,668**	**1.0965**	**$3,703,613**	
1) Non Taxable Items				
Other				
Insert Row Here				
Sub TOTAL	**$0**	**1.0965**	**$0**	
Sales Tax				
Sub TOTAL	**$293,857**		**$322,215**	
EQUIPMENT TOTAL	**$3,671,525**		**$4,025,828**	

Green cells must be filled in by user

Cost Estimate Details

Artwork					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Project Artwork	$0				0.5% of total project cost for new construction
Higher Ed Artwork	$347,007				0.5% of total project cost for new and renewal construction
Other					
Insert Row Here					
ARTWORK TOTAL	**$347,007**		**NA**	**$347,007**	

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Cost Estimate Details

Project Management					
Item	**Base Amount**		**Escalation Factor**	**Escalated Cost**	**Notes**
Agency Project Management	$1,770,928				
Additional Services					
Other					
Insert Row Here					
PROJECT MANAGEMENT TOTAL	**$1,770,928**		**1.0965**	**$1,941,823**	

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Cost Estimate Details

Other Costs				
Item	**Base Amount**	**Escalation Factor**	**Escalated Cost**	**Notes**
Mitigation Costs				
Hazardous Material Remediation/Removal	$300,000			
Historic and Archeological Mitigation				
Permits, Etc…	$500,000			
OTHER COSTS TOTAL	**$800,000**	**1.0752**	**$860,160**	

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370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000071
Project Title: Lucy Covington Center - Pre Design
Project Class: Program

Description

Starting Fiscal Year: 2022
Agency Priority: 5

Project Summary

The Lucy Covington Center is an initiative that is one of five major goals of Eastern Washington University's 2018 – 2023 University Strategic Plan. This center will be a focal point of increasing the visibility of Native American students, their heritage and their desires to embrace social justice and ignite change in their communities as well as educate others in the regions changing demographics and societal needs.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements, or other backup necessary to understand the need for the request. For preservation projects it is helpful to include information about the current condition of the facility or system.

There are two vital reasons that Eastern Washington University needs to build the Lucy Covington Center.
1. Commitment to Native American Students; and
2. Educating the Spokane region through interdisciplinary partnerships with Tribes and Urban Native Communities.

Eastern Washington University requests $300,000 for Pre Design of the Lucy Covington Center on the Cheney Campus.

Native American Students are vastly underrepresented in Higher Education making up less than one percent of the college going population. While many factors have been attributed to low college going rates for Native American Students most all those barriers can be traced back to one singular source; invisibility.

The issue of invisibility severally impacts how Non-Native individuals and organizations interact or more importantly avoid interacting and partnering with Native American and Alaskan Native populations. Through the development of partnerships with Federally Recognized Tribes and Urban Indian Organization's, Eastern Washington University hopes to create a space where we can continue to work together to combat the invisibility of the Indigenous peoples of this region.

The Lucy Covington Center is part of the broader Lucy Covington Initiative at EWU. The initiative seeks to support future leaders by honoring her legacy, educate the next generation of Native American leaders, create a confluence of cultures and causes through community scholars and tribal leaders, and an archival project documenting the efforts of Lucy Covington those who fought with her to protect sovereignty and self-determination. This ambitious initiative will achieve these goals by:

1. Providing financial support and scholarships to Native American students.
2. Create summer program that brings Native American middle school and high school students to campus to engage in academic classe and university activities and to develop skills needed in an increasingly complex political environment for Pacific Northwest and Native American communities.
3. Bring together national speakers, scholars, academics, traditional practitioners and Native leaders to share their experiences, wisdom, research and indigenous knowledge.
4. Develop programming that promotes understanding across cultures and political boundaries to address challenges and opportunities.
5. Build an archive of both virtual and actual storage facility for historic documents pertaining to the work of Lucy Covington. Materials donated will be used for research and continued education about the importance of protecting sovereignty and self-determination.

To support these goals, Eastern Washington University intends to build the Lucy Covington Center to serve as a home for these programs and projects, as well as provide to gather celebrate our Native American communities. The center will provide a gathering place for Native students, faculty and communities for shared events, celebrations, lectures, symposia, cultural exchange, offices, classrooms, exhibition space for historic items, and lifelong learning. The proposed Lucy Covington Center will be located on the western edge of campus and integrated into the 120 acre Prairie Restoration Project taking place at

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Project Title: Lucy Covington Center - Pre Design
Project Class: Program

Description

Eastern Washington University.

Although not a part of this Pre Design request, the integration into the Prairie Restoration Project is an ideal location for the center as the restoration project will restore Eastern Washington University owned farmland back to its native Palouse ecosystem. With the land restored back to this natural habitat, additional education and research opportunities related to native plants and their historical and cultural significance to the regional Tribes can take place in connection with the Lucy Covington Initiative.

Eastern is currently developing and archival project to record and house first-person narrative voices about the termination era from elders who were mentored and fought with Lucy Covington to preserve tribal sovereignty. The archive through these voices will continue to the legacy of representation to future generations of students. This data will be stored and shared at the center when completed.

The Lucy Covington Initiative is part of EWU's Strategic Plan to increase the 6 year graduation rate of underrepresented students (including American Indians) from 32 % to 40 % by 2023. As part of the Lucy Covington Initiative, the Lucy Covington Center will greatly support this strategic goal by providing a space from which to host programs and events intended to boost enrollment from underserved regions.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.
This request will produce a Pre Design study that will objectively outline the needs of the facility to support the programs that will be located within. An analysis of types of space, sizes, adjacencies and preliminary design and construction costs will be included. This study would be complete and submitted for review in June 2022 as required to request design funds in the 2023-2025 capital request.

This request is for Pre Design funds to provide a program and analysis of how this center will support connection to underserved and place bound students, promote academic programs and degree related to studies that support Native American students as well as others with interests in those areas of study. The programming would also look at objective plans for bringing the Native American community to Eastern's Cheney Campus and outreach from this location.

The criteria for pre design studies require that a detailed cost analysis is included with the programming and space allocation exercise. If pre design funds are approved for this project that inform will be included in the study.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?The intention of the Pre Design study is to develop a program with design and construction cost reflecting the needs of university programs. The result of not taking this action would be that the university would not be allowed to explore the potential for programs and degrees. The university is also looking to work in conjunction with the local native Indian tribes on scholarships and gifts towards the design and construction of the center. The university will need to provide information to those agencies and substantiate the committee to this project for those agencies that would support this center.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Currently the university is working on gathering archival information as a part of this biennial appropriation for the centers. This is the next step in promoting the legacy of Lucy Covington and commitment the university is making to Native American

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000071
Project Title: Lucy Covington Center - Pre Design
Project Class: Program

Description

students for higher education and community visibility in our region. The pre design will in fact look at a variety of alternatives such as generating new programs and degrees, using the center has a hub for Native American community activities on the Cheney campus, the connection between the four major Native American tribes that are represented in the area and the size and capacity of the center itself. As is the case with all pre design studies there will be a list of alternatives and the costs associate with them. Once information is compiled the university and our community partners can decide on which alternatives best respond to the university and community commitment of this project.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
The Lucy Covington Initiative, and the center, address multiple programs at Eastern Washington University. As stated above, the Lucy Covington Center would provide a space to house the numerous programs, projects, and events for the Lucy Covington Initiative. It would serve as an event center for the American Indian Studies program at Eastern Washington University and demonstrates the university's commitment to our Native American communities. With its location on the Prairie Restoration Project, the Lucy Covington Center would support the project by providing a space to house and share information about the historical and cultural connections to the land and the rich biodiversity of life it has supported. Both the Lucy Covington Initiative and the Prairie Restoration Project are identified as two of the five priorities for Eastern Washington University in the 2018 – 2023 University Strategic Plan.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
It is the intent of the university to use the Pre Design study as mechanism to make requests for private donated funds for the design and construction of the facility. The level of private funding and future request for state capital funds will be determined once the study has been completed and used as a tool to solicit some level of private funding for the project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.
These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

Lucy Covington Initiative and the Prairie Restoration Project are identified as two of the five priorities for Eastern Washington University in the 2018 – 2023 University Strategic Plan.

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

Eastern's Campus Comprehensive Master Plan notes Washington Street physically and visually divides campus into east and west sections. The east campus serves as the academic and residential core of campus, and has seen extensive beautification efforts over the years.

The west campus contains the majority of athletic facilities, recreational areas, and parking. Additionally the west campus has not received the extensive beautification efforts as seen on the east side and further contributes to the visual separation between the two sides of campus.

The Campus Comprehensive Master Plan identifies these issues in further details and acknowledges that Eastern must work on these resolving the perceived separation and unifying campus as whole. The Lucy Covington Center, and the Prairie Restoration Project it would connect to, are intended to help bring the campus together. The Lucy Covington Center would be the most western building on campus, sitting in almost the center of the west campus. With classrooms and event meeting space, the Lucy Covington Center would help bridge the gap between the primarily focused academic east campus and the more athletic focused west campus.

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000071
Project Title: Lucy Covington Center - Pre Design
Project Class: Program

Description

The Lucy Covington Center would be part of the draw to bring the academic focused community to the western side of campus and would encourage new education, research, and community outreach opportunities, thereby helping to make campus feel more unified.

Is distance learning or a university center a large and significant component of the total project scope? If yes, to what degree of percentage?
Although not a central focus of the center the ability to provide distance learning opportunities and classroom presentation is defined in the initial project scope. Distance learning is one option for providing instruction and access to the rich heritage that is essential to communications and education of the local and regional community and beyond. This project will be enhanced by distance learning opportunities and that opportunity will be addressed in the Pre Design Study. One of the major goal of the Lucy Covering Center is to provide visibility and access to the concepts that Lucy Covington tirelessly work for throughout her career and life. That will be accomplished through a variety of opportunities, distance learning will be one of them.

For IT Related costs:
Does this project fund the development or acquisition of new or enhance software or hard systems or services?
No this project is for Pre Design of a University Building.

Does this decision package fund the acquisition or enhancements of any agency data centers? (See OCIO Policy 184 for definition) No this project is for Pre Design of a University Building.

Does this decision package fund the continuation of a project that is, or will be, under OCIO oversight? (See OCIO Policy 121).
No this project is for Pre Design of a University Building.
If the answer to any of these questions is yes, continue to the IT Appendix and follow the directions to meet the requirement for OCIO review.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
No this project does not fall under the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
This request is for a university facility to support academic and community engagement programs. The design and construction of this project would, at minimum, be in compliance with the following state regulations and Eastern Washington University policies and procedures.

-RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
-RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
-HB 2311 Greenhouse Gas Emission Limits 2019.
-HB 1257 Clean Building for Washington Act 2019.
-EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
The purpose of this building is to celebrate the legacy of Lucy Covington and demonstrate EWU's commitment to being a partner with regional tribes as we seek to enroll and graduate an increasing number of American Indian students. Through developing stronger partnerships in Native Communities we will be able to build unique and practical hands-on educational opportunities that will be appealing to Native and Non-Native Students alike. Additionally, Native American Students have stated that their number one reason for pursuing post-secondary opportunities no matter what the degree they may be seeking is to solve issues affecting their communities. The Lucy Covington Center can provide a space for these students to delve into these issues and look for solutions.

OFM

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000071
Project Title: Lucy Covington Center - Pre Design
Project Class: Program

Description

At a future point in time this facility may offer the opportunity for classroom study as well as seminars that support program development and degree production. Presently our society is looking for ways to better connect individuals, local and regional communities and diverse populations of student together to Embrace Equity and Social Justice and well and transform our region. Through culturally responsive curricula and campus activities, we Eastern Washington University work tirelessly to promote understanding and reduce disparity and inequity.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
New Facilities/Additions (Major Projects)

Growth Management impacts
No Growth Management Impacts are associated with this project.

New Facility: Yes
How does this fit in master plan
The Lucy Covington Center is a new component to the University's Academic Strategic Plan. The development of the West side of Washington Street is part of our Facilities Masterplan and this project will bring more student and community activity to this area of campus. Although not directly associated with the Lucy Covington Center the facility will sit on the Prairie Restoration Project site which has STEM related research and instructional elements that also support our Academic Strategic Plan.

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
061-1	EWU Capital Projects-State	18,800,000				300,000
	Total	**18,800,000**	**0**	**0**	**0**	**300,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
061-1	EWU Capital Projects-State	1,000,000	17,500,000		
	Total	**1,000,000**	**17,500,000**	**0**	**0**

Operating Impacts

No Operating Impact

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

Description

Starting Fiscal Year: 2022
Agency Priority: 9

Project Summary

Eastern's request for Minor Works Program resources from state allocated funds respond to programmatic needs in various areas of the campus that relate to compliance, end of lifecycle for equipment and system components and respond to our strategic plan of transforming students through quality academic programs and student activities. These projects are essential to keep the campus as a safe and comfortable place for students to learn, live and succeed.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Program projects primarily achieve academic and student support goals. This group of projects include updating and improving spaces that are needed to improve program delivery. Included are items that improve access to and the quality of the program spaces in which instruction takes place.

Projects requesting this category for the 2017-19 request are: Academic Program Enhancements (classrooms), Teaching Laboratory Improvements, Martin-Williamson Building Restroom Improvements; Replacement of the Lighting in the PHASE Complex; New Flooring in PHASE to support PEHR (Physical Education, Health and Recreation) and Upgrade of the restrooms in the Communications Building.

The request for all projects in this category is $6,500,000.

These projects will significantly improve the spaces and their functionality. The also address compliance issues that are required due to the age of these facilities. The requests are priority based upon on-going assessment, review and prioritization of campus programs and the needs to support academic instruction and university operations. These projects were identified through evaluation of our current systems by architectural engineering consultants, academic program departments and plant staff. From these assessments, we compiled a list of projects and budgetary estimated costs for review and approval. These projects are the highest priority to align facilities improvement with the current and future needs of departments and general campus spaces. In most cases, the evaluation of these requests show the deteriorating condition of some of the spaces, systems and equipment and how the backlog of accessibility requirements that need to be in place in our public facilities. We captured the costs to maintain and operate these facilities through our computerized maintenance management systems (CMMS) and identify those that have the highest need for improvements.

Once staff had captured the needs and budgetary costs to respond, we prioritized these projects to improve and extend the lifecycle of our systems and equipment and to reduce the maintenance and operating cost for the university.

Eastern’s facilities are complex and costly resources to maintain and operate. These program enhancing projects enable us to defer major capital expenditures through creative preservation measures that extend the lifecycle of our facilities and systems. We work continually to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects to respond to the programs’ student and staff needs and their ability to be maintained at a cost effective level. These type of projects allow us to meet programmatic and current code need without major project resources.

Eastern Washington University is recognized as a model of diversity-serving institution. The project prioritized in this request reflect the university’s strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing **access** to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.
As this group of projects is developed we consistently look for improvements that create operating budget savings. All

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improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. design of a building, construction of additional space; etc.)? When will the project be started and completed?
Each separate project will produce enhancements and improvements for the university's facilities. Once funding is approved, we will design and construct projects that will replace or improve the systems or equipment indicated in the proposal. Design on these project will start as soon as funding is approved in July of 2021. Construction will follow as soon as the design and bid for the project are completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractor that installs the projects. The intent would be to have all projects in this category completed by June of 2023.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request therefore we plan project to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The requests would address the following problems on current university facilities:

-Improvement of teaching laboratory space to meeting academic need a sized to improve utilization rates.
-The same assessment and improvements will be initiated in instructional spaces.
-As a university of access we understand the providing safe and secure facilities that address gender neutrality and the rights of this portion of our community are critical.
-Replacement of the activity floor in Physical Education Building.
-Replacement of the failing light system in the same area with highly effective and energy efficient lighting.
-ADA require upgrades in Martin Hall and the Communications Building.

The result of taking no action will decrease the effectiveness of our instruction, general student spaces to meet our strategic needs, and cause the cause some upgrades related to accessibility and inclusion to not be completed. Some spaces that are deteriorating will continue to do so and their operating costs will continue to rise. This includes regular preventative action as well as demand maintenance. Most of the facilities and space upgrades would include more cost effective system and equipment upgrades. If this was to be deferred, the level of utility cost reduction that could be achieved wouldn't be attained. Deferring will also impact the ability to provide a safe, comfortable, and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets.

Which clientele would be impacted by the budget request? Where and how many units would be added, people or communities served etc. Be prepared to provide detail cost backup.
These request impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and it includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit to the campus as a whole and our entire clientele.

Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provided by paid consultants or internal staff generated estimates. Once funding is approved and the design is underway for a more detailed cost estimate that will be developed and reviewed to provide information for project implementation and good stewardship of state resources.

Does the request include IT related costs? (See the IT appendix for guidance, and follow directions to meet the OCIO

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review requirement.) What alternatives were explored? Why was this the recommended alternative chosen?
There are no related IT cost in this request.

Will non-state funds be used to complete the project? How much, what fund source? And could the request result in matching federal, state, local, or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic/master plans, contributes to statewide goal, or enabled the agency to perform better. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014). https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

Requested projects align with our Strategic Plan 2018 by supporting student success and providing innovation, opportunity, and community engagement. All projects related to Minor Works Program relate to Eastern's strategic goal to remain an "institution of innovation." We are a university of access for all and the improvement and modification with many of these projects are directly related to that strategy. As a priority to us, we consider the aspects relating to high quality/cost effective improvement and replacements, greenhouse gas emissions and the reduction of our carbon footprint. These projects also address the reduction of deferred backlog maintenance that stand as a priority of the state and university.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

For projects linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda. See Chapter14.4 in the 2017-19 Operating Budget Instructions.
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

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Project Class: Program

Description

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Minor Works Program projects allow for providing rapid response to programmatic changes and the dynamic needs of the university. While major projects are years in development, these smaller project offer the opportunity to make changes that positively affect students and the college environment in a shorter time frame. These projects also put in place improvements that will bridge department and programs until major project funding is available.

Good planning, system renewal, and minor capital improvements allow for long term reduction of operating costs, emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	6,500,000				6,500,000
	Total	**6,500,000**	**0**	**0**	**0**	**6,500,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

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Operating Impacts

No Operating Impact

Narrative

These projects are in existing facilities and replace and upgrade existing equipment and systems. There are already operation funds in place in these locations.

SubProjects

SubProject Number: 40000092
SubProject Title: Academic Program Enhancements (Classrooms)
SubProject Class Program

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Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000092
SubProject Title: Academic Program Enhancements (Classrooms)
SubProject Class Program

Project Phase Title: Academic Program Enhancements (Classrooms)
Starting Fiscal Year: 2022
Agency Priority: 9

Project Summary

Academic Program Enhancements is the opportunity to enhance and improve our instructional spaces, 110 classrooms. Many of the university building and there subsequent classrooms are in need of basic upgrades and improvement to meet the current and future needs of our faculty and students. To be competitive in the dynamic academic environment we must provide facilities that students expect or they will consider other institutions for their higher education needs.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Many of the academic spaces in buildings that have not been renovated in the past 20 years lack the necessary tools to be effective in a modern university education environment. Deficiencies include inadequate lighting, HVAC and temperature controls, audio/visual equipment, acoustical treatments, functional furnishings, and upgrading finishes. Select academic spaces require certain features that were not common or possible in the year that their locations were built, such as marker boards versus chalkboards, video projection systems versus overhead projectors, and Internet-driven computer systems versus photo slides and map displays.

Pursuant to the University's goals of providing the highest quality education to its students, these enhancements would change the most updated learning environments on our campus to be state-of-the-art. Not only would it serve our current student population but would also assist in both student and faculty recruitment.

This request is to improve academic program spaces on Eastern's Cheney campus. This request is for $2,000,000.

The improvements made to the spaces over the years were piecemeal at best, many no longer meeting a current standard for safety, operational efficiency, or educational functionality. The infrastructure systems needed for state-of-the-art instruction is simply lacking in our classrooms that have not received upgrades in the last decade.

These are instructional classrooms that fall under the FICM (Postsecondary Education Facilities Inventory and Classifications Manual) 100 Classroom Facilities, a room or space used primarily for instruction classes and not tied to a specific subject or discipline by equipment in the room or the configuration of the space. This includes: classrooms, lecture halls, recitation rooms, seminar rooms and other spaces used primarily for scheduled no laboratory instruction.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (predesign/design of a building, additional space, etc.)? When will the

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Project Class: Program

SubProjects

SubProject Number: 40000092
SubProject Title: Academic Program Enhancements (Classrooms)
SubProject Class Program

project start/end? Identify if the project can be phased, and if so, which phase is included in the request. Provide detailed cost backup.
Receiving approval of this request would result in the renovation of key academic spaces in a number of buildings on our campus. Many of these improvements would require upgrades to the infrastructure systems serving the buildings that the spaces are located in. Such systems include HVAC, electrical, data and telecommunications.

Upon receiving funding approval, studies would be conducted to identify the greatest areas of need and the maximum benefits derived from remodeling. Depending upon the results of the studies, designs would be created prior to the implementation of construction. It is expected that studying design would take place in the early months of the 2021-2023 biennium. It is anticipated that this project would be complete prior to the end of the 2021-2023 biennium, June 30, 2023.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Constructing the necessary improvements would not only correct the deficiencies identified above, but would also improve the learning environment to a degree that enhances the academic careers of our students and faculty. Taking no action places our degree programs at a disadvantage in the competition for highly sought after students and qualified faculty, not to mention that it perpetuates a less-than-optimum learning environment.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative.

Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan. These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

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Project Class: Program

SubProjects

SubProject Number: 40000092
SubProject Title: Academic Program Enhancements (Classrooms)
SubProject Class Program

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here effect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission 2019
· Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Minor Works Program projects allow for providing rapid response to programmatic changes and the dynamic needs of the university. While major projects are years in development, these smaller project offer the opportunity to make changes that positively affect students and the college environment in a shorter time frame. These projects also put in place improvements that will bridge department and programs until major project funding is available.

Good planning, system renewal, and minor capital improvements allow for long term reduction of operating costs, emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

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Project Class: Program

SubProjects

SubProject Number: 40000092
SubProject Title: Academic Program Enhancements (Classrooms)
SubProject Class Program

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2021-23 Fiscal Period: Reapprops	New Approps
057-1	State Bldg Constr-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

Acct Code	Account Title	Future Fiscal Periods: 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000093
SubProject Title: Teaching Laboratory Inprovements
SubProject Class Program

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Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000093
SubProject Title: Teaching Laboratory Inprovements
SubProject Class Program

Project Phase Title: Teaching Laboratory Inprovements
Starting Fiscal Year: 2022
Agency Priority: 9

Project Summary

Teaching laboratories or FICM 210s are a critical supplemental instructional space to traditional 110 lecture type classrooms. These teaching laboratories are specifically set up to support special purpose equipment, or enhance student participation, experimentation or observation. Many of these teaching laboratories are located in older building across campus that have not had upgrades for decades. To be completive for students these areas must provide a state-of-the-art environment for student to practice an learn in their specific program of choice.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Most of the teaching laboratories at EWU are lacking the features and infrastructure necessary to support the pedagogical and program needs of the departments they serve. Many of these such facilities were constructed over 40 years ago, more than a generation before the advent of the technology currently available for teaching. Most of our facilities are not even constructed to the standards that the high schools from which our students came from were.

This request is to improve and upgrade teaching labs on Eastern's Cheney campus. This request is for $950,000.

The improvements made to the spaces over the years were piecemeal at best, many no longer meeting a current standard for safety, operational efficiency, or educational functionality. The infrastructure systems needed for state-of-the-art instruction is simply lacking in our classrooms that have not received upgrades in the last decade. This request will be directed to laboratory spaces defined by FICM (Postsecondary Education Facilities Inventory and Classifications Manual) Teaching Laboratory 210.

A space used primarily for formally or regularly scheduled instruction (including associated mandatory, but non-credit earning laboratories) that require special purpose equipment or a specific space configuration for student participation, experimentation, observation, or practice in and academic discipline. A space is considered to be scheduled if the activities generate weekly student contact hours (WSCHs), the activities fulfill course requirements, and/or there is formal convener present.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (predesign/design of a building, additional space, etc.)? When will the project start/end? Identify if the project can be phased, and if so, which phase is included in the request. Provide detailed cost backup.

Needed improvements to the spaces include instructional technology equipment and casework, plumbing fixtures, lighting fixtures and control, HVAC and temperature controls, acoustics treatment and enhancements, updated finishes, and

SubProjects

SubProject Number: 40000093
SubProject Title: Teaching Laboratory Inprovements
SubProject Class Program

comfortable and functional furnishings.

It is expected that the projects will proceed immediately of receiving funding in the biennium beginning with an assessment of needs and the determination of priorities. All work is expected to be achieved within the 2021 – 2023 biennium. Projects are likely to be divided by construction type (remodel, equipment, furnishings, etc.) and/or building. It is anticipated that these project will be completed by the end of the 2021-2023 biennium June 30, 2023.

Current project estimates are budgetary in nature. A more detailed estimate will be developed when funding is appropriated and the university hires a consultant to better define the specific needs of the project. All that information will be available when it is developed.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Improving the 200 teaching laboratories would greatly aid in our recruitment of both students and faculty, help maintain our accreditations, and enhance the educational experience for all students. Current conditions are deterrent to all of those points listed above, the adverse effects of which continue to be greater as the demands for higher technology increase with time.

The result of taking no action will decrease the effectiveness of our instruction, general student spaces to meet our strategic needs, and cause the cause some upgrades related to accessibility and inclusion to not be completed. Some spaces that are deteriorating will continue to do so and their operating costs will continue to rise. This includes regular preventative action as well as demand maintenance. Most of the facilities and space upgrades would include more cost effective system and equipment upgrades. If this was to be deferred, the level of utility cost reduction that could be achieved wouldn't be attained. Deferring will also impact the ability to provide a safe, comfortable, and accessible campus for all that use it.

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer other as required. In many cases the will be an additional burden on our operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant. These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele. FICM 210 teaching laboratories are located in most all academic buildings on campus to supplement the lecture classroom within each academic program.

Will other funding be use to complete the project? How much, what fund source, and could the request result in

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SubProjects

SubProject Number: 40000093
SubProject Title: Teaching Laboratory Inprovements
SubProject Class Program

matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014). https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and
- RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission 2019
· Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update.

OFM

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000093
SubProject Title: Teaching Laboratory Inprovements
SubProject Class Program

Is there additional information you would like the decision makers to know when evaluating this request?
Minor Works Program projects allow for providing rapid response to programmatic changes and the dynamic needs of the university. While major projects are years in development, these smaller project offer the opportunity to make changes that positively affect students and the college environment in a shorter time frame. These projects also put in place improvements that will bridge department and programs until major project funding is available.

Good planning, system renewal, and minor capital improvements allow for long term reduction of operating costs, emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	1,300,000				1,300,000
	Total	**1,300,000**	**0**	**0**	**0**	**1,300,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

370 - Eastern Washington University
Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000093
SubProject Title: Teaching Laboratory Inprovements
SubProject Class Program
Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000094
SubProject Title: Martin/Williamson Restroom Improvements
SubProject Class Program

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000094
SubProject Title: Martin/Williamson Restroom Improvements
SubProject Class Program

Project Phase Title: Martin/Williamson Restroom Improvements
Starting Fiscal Year: 2022
Agency Priority: 9

Project Summary

Martin and Williamson Hall were originally built in 1982 and 1977 respectively. At that time the requirements for the American's with Disabilities Act, gender neutral restrooms, lactating mothers spaces were much different or not even a considerations. This project is aimed at design and construction of restroom facilities in Martin Hall and Williamson Hall that meet current federal and state codes as well as requirement set down by university leadership for student, faculty and staff access and availability.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Martin Williamson is a building that was constructed in two phases; Martin Hall in the 1940s and Williamson in the 1960s. Subsequent to Martin Hall's 1986 remodeling, the American Disabilities Act was adopted by most code authorities, including the city of Cheney who has jurisdiction over Eastern Washington University. Consequently, the toilet facilities throughout this building complex do not meet the current standard for accessibility.

This request is to upgrade the restroom in Martin and Williamson Halls to meet current American Disabilities Act (ADA) requirement. This request is for $750,000.

University is committed to eliminating the barriers to accessibility for our students, faculty and staff, and the general public. The number of individuals requiring accommodation has increased significantly in the past 25 years mostly due to the fact that public facilities are more user-friendly for those who have disabilities. The most difficult public facilities to make these accommodations to are our public restrooms due to the restriction of space in an existing floor plan and the limitations of existing infrastructure. Often times, the cost of these types of renovation make such projects unachievable.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

There are eight toilet facilities located on the first and second floors of the Martin Williamson complex, none of which are ADA compliant. This project would design and construct the renovations necessary to see that they meet the current code standard for accessibility.

Depending upon the outcome of the design phase, other deficiencies will be corrected in the remodeled facilities. Many of the fixtures have reached the end of their life cycles and are difficult to maintain. Replacement of antiquated and obsolete fixtures and finishes will be investigated to the extent that the budget will allow. This project is seen as being completed in a single phase within the 2021-2023' biennium.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?The Martin Williamson building makes no public accommodation for individuals with disabilities in their toilet room layouts. This request would modify the existing facilities and/or add new facilities that would meet the current building codes and ADA standards for toilet room design. Currently, individuals with disabilities have only one option, which is to use the facilities that will accommodate them located in nearby buildings. The nearest building with such facilities is over 800 feet away which does not meet the intent of the law which states that "reasonable accommodations must be made for individuals with disabilities."

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000094
SubProject Title: Martin/Williamson Restroom Improvements
SubProject Class Program

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these requests are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs in order to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
EWU has a growing number of individuals with disabilities seeking higher education on our Cheney campus. Such individuals are not just those who are bound to wheelchairs but include those who are ambulatory impaired (i.e. on crutches, using canes and walkers, or otherwise have difficulty walking), visually impaired, or otherwise physically impaired (i.e. unable to pull the door open under normal circumstances).

These requests impact our university students, faculty, staff, and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects address specific buildings, but these improvements are a benefit to the campus as a whole and include our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

Making needed accommodations for faculty, students, staff and visitors with disabilities achieves the goals of the state of Washington for making reasonable accommodation to this segment of our society. Universally, it provides access to students who would otherwise be prevented or discouraged from seeking higher education.

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Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000094
SubProject Title: Martin/Williamson Restroom Improvements
SubProject Class Program

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Depending upon the outcome of the design phase, it may be possible to also satisfy the special needs of families with small children, and for individuals with alternative gender identities. It might also be possible to provide shower facilities for individuals who employ alternate modes of transportation in their commute to and from campus, including accommodations that are in alignment with LEED design practices.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000094
SubProject Title: Martin/Williamson Restroom Improvements
SubProject Class Program

Growth Management impacts

There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Expenditures: Prior Biennium	Expenditures: Current Biennium	2021-23 Fiscal Period: Reapprops	2021-23 Fiscal Period: New Approps
057-1	State Bldg Constr-State	750,000				750,000
	Total	**750,000**	**0**	**0**	**0**	**750,000**

Acct Code	Account Title	Future Fiscal Periods: 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000095
SubProject Title: PHASE Complex Floor Replacement
SubProject Class Program

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000095
SubProject Title: PHASE Complex Floor Replacement
SubProject Class Program

Project Phase Title: PHASE Complex Floor Replacement
Starting Fiscal Year: 2022
Agency Priority: 9

Project Summary

The University Special Performance Pavilion and the Physical Education Activities Building were built in 1975 and 1972 respectively. Both Facilities have court and sport activity flooring that is over 45 years old. Although maintained well they have reached the end of their lifecycle and are in need of replacement due to concerns about students safety and comfort when using these activity areas.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The university's physical education, sports and recreation facilities were originally built in five phases between the mid-1960s and mid-1900s. The term "PHASE" refers to this five building complex.

This request is to replace flooring in the PHASE complex on Eastern's Cheney campus. The request is for $850,000.

A large percentage of the university's indoor physical education and recreation space has hardwood floors. Annual maintenance is performed which adds new finishes and paint markings that have worn off through normal use. Given the popularity of our recreation programs, these floors see an abnormal amount of traffic and over many years' time, sustain damage that cannot be corrected with surface refinishing.

Most of our indoor recreation facilities were constructed in the late 1960s. The expected life of these floors is 10 to 20 years, but some of these floors have either only been replaced once or not at all since they were originally installed. All of them have been, at some point in time, stripped and refinished requiring sanding the surface down to bare wood which reduces the overall thickness of the flooring. Once the thicknesses been reduced to approximately 70% of its original thickness, it requires replacement. Most of our floors have reached that point.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.

The floors will be replaced based upon a brief analysis of which ones are the most critical in terms of their condition and frequency of use. All work will need to occur during the period of the year where the use is expected to be minimal, which falls in the time window of late July through mid-September 2022.

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000095
SubProject Title: PHASE Complex Floor Replacement
SubProject Class Program

The project is not likely to be phased due to the compressed schedule under which all work must be done. The university's goal would be to do as many floors as possible during this time, accomplishing all work in the early part of the biennium. If logistics prevent us from addressing every space during that time window, the remainder of work will be done in the late summer of 2023.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Replacement of the floors would extend the life and use of those facilities for about 40 years. The issues that would be corrected would not only be cosmetic but also structural as there are several instances where crushing, settlement, chipping, and deep gouges exist. The current conditions will worsen over time and, at some point, will present either a safety hazard or render the spaces unusable for their intended use.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these requests are at the end or past the end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
Since all the locations of our hardwood floors are in the physical education, sports and recreation complex, it would most affect those departments and programs. The greatest impact, however, would be felt by the general student population participating in recreation programs. Currently, participation levels are extremely high, particularly for indoor programs held during times of inclement weather. Approximately 25% of our student population is enrolled in one of the many offerings for indoor recreation at some time during the academic year.

These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000095
SubProject Title: PHASE Complex Floor Replacement
SubProject Class Program

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

Maintenance of our facilities preserves and protects the investment made by the state for higher education. It is a goal of the University to provide the best university experience for our students, particularly for those who opt to live on or near campus. The recreational opportunities afforded to our students can only be as good as the facilities that support them. Considering the tremendous investment the state has made in our physical education, sports and recreation facilities, replacement of worn and damaged finishes would a most prudent course of action.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgraded Eastern addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission 2019.
· Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Considering these floors are an average of 45 years old, and that they have been maintained on an annual basis, it is surprising that they have lasted this long. It is not expected that they will last much longer. Replacement would not only extend their life, but improve their performance as the technology and their design has advanced since their original installations.

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000095
SubProject Title: PHASE Complex Floor Replacement
SubProject Class Program

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
057-1	State Bldg Constr-State	950,000				950,000
	Total	**950,000**	**0**	**0**	**0**	**950,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000096
SubProject Title: PHASE Complex Lighting Improvements
SubProject Class Program

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000096
SubProject Title: PHASE Complex Lighting Improvements
SubProject Class Program

Project Phase Title: PHASE Complex Lighting Improvements
Starting Fiscal Year: 2022
Agency Priority: 9

Project Summary

Many of the lighting systems located in these (PHASE) buildings have not been replaced within the last 20 years, and some of them not since their original installation. In some cases, replacement parts for maintenance are no longer available. The energy usage in some of our larger spaces (i.e. the Pavilion) is abnormally high compared to what would be expected in a new building.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The university's physical education, sports and recreation facilities were originally built in five phases between the mid-1960s and mid-1970s. The term "PHASE" refers to this five building complex.

This request is to replace the lighting in PHASE complex on Eastern's Cheney campus. This request is for $750,000.

Many of the lighting systems located in these buildings have not been replaced within the last 20 years, and some of them not since their original installation. In some cases, replacement parts for maintenance are no longer available. The energy usage in some of our larger spaces (i.e. the Pavilion) is abnormally high compared to what would be expected in a new building.

Performance and efficiency has also diminished over time, particularly with our Mercury and halide lighting systems. The warm-up period for the halide system in the Pavilion can be as much as 30 minutes, which is problematic during unexpected power outages. In these situations, it goes beyond being a nuisance to being a safety problem.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

The lighting will be replaced based upon a brief analysis of which ones are the most critical in terms of their condition and frequency of use of the space they are located in. All work will need to occur during the period of the year where the use is expected to be minimal, which falls in the time window of late July through mid-September 2022.

The project is not likely to be phased due to the compressed schedule under which all work must be done. The university's goal would be to do as many spaces as possible during this time, accomplishing all work in the early part of the biennium. If logistics prevent us from addressing every space during that time window, the remainder of work will be done in the late summer of 2023.

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000096
SubProject Title: PHASE Complex Lighting Improvements
SubProject Class Program

Current project estimates are budgetary in nature. A more detailed estimate will be developed when funding is appropriated and the university hires a consultant to better define the specific needs of the project. All that information will be available when it is developed.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Replacement of select lighting systems in the PHASE complex would greatly reduce our maintenance effort to keep them functioning, but would also achieve substantial energy savings going forward. Not only would there be higher efficiencies but higher performance, achieving better light levels and coloration while reducing glare.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
The greatest impact, would be felt by the general student population participating in recreation programs. Currently, participation levels are extremely high, particularly for indoor programs held during times of inclement weather. Approximately 25% of our student population is enrolled in one of the many offerings for indoor recreation at some time during the academic year.

These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000096
SubProject Title: PHASE Complex Lighting Improvements
SubProject Class Program

https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

Maintenance of our facilities preserves and protects the investment made by the state for higher education. It is a goal of the University to provide the best university experience for our students, particularly for those who opt to live on or near campus. The recreational opportunities afforded to our students can only be as good as the facilities that support them. Considering the tremendous investment the state has made in our physical education, sports and recreation facilities, replacement of original and past their lifecycle lighting would be the most prudent course of action.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request. These projects do not fall under the requirements of OCIO review or oversight.

If the answer to any of these questions is yes, continue to the IT Appendix and follow the directions to meet the requirement for OCIO review.
N/A

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

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Version: C1 Eastern Washington University

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Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000096
SubProject Title: PHASE Complex Lighting Improvements
SubProject Class Program

Is there additional information you would like the decision makers to know when evaluating this request?
In addition to replacing the lighting, the University would investigate incorporating a lighting control system into the design. Such systems would provide automatic on and off to avoid conditions where large numbers of lights are on in an occupied spaces or during times that those spaces are not being used.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Expenditures: Estimated Total	Prior Biennium	Current Biennium	2021-23 Fiscal Period: Reapprops	New Approps
057-1	State Bldg Constr-State	750,000				750,000
	Total	**750,000**	**0**	**0**	**0**	**750,000**

		Future Fiscal Periods: 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000097
SubProject Title: Communications Building Restroom Upgrades
SubProject Class Program

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000097
SubProject Title: Communications Building Restroom Upgrades
SubProject Class Program

Project Phase Title: Communications Building Restroom Upgrades
Starting Fiscal Year: 2022
Agency Priority: 9

Project Summary

The Communications Building is part of a complex of buildings constructed in the early 1970s prior to the enactment of the American Disabilities Act and its adoption by the state of Washington into its building codes.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The Communications Building is part of a complex of buildings constructed in the early 1970s prior to the enactment of the American Disabilities Act and its adoption by the state of Washington into its building codes. At the time of design, no considerations were given addressing the needs of individuals with disabilities. Where accommodations can be easily made in the areas of door hardware, signage and furnishings, there are great challenges in making restroom facilities compliant with current code standards.

This University is committed to eliminating the barriers to accessibility for our students, faculty, staff, and the general public. The number of individuals requiring accommodation has increased significantly in the past 45 years, mostly due to the fact that public facilities are more user-friendly for those who have disabilities. The most difficult public facilities to provide these accommodations to are our public restrooms. This is due to the restriction of space in older existing floor plans, including the limitations of existing infrastructure in these types of facilities. Often times, the cost of renovation make such projects unachievable.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

This request is for the renovation and improvement of the restrooms in the Communications Building. The project aims to meet current American's with Disability Act requirements and provide barrier free access to university patrons. This request is for $750,000.

Past improvements made to these spaces over the years have been piecemeal at best. Many spaces no longer meet a current standard for safety, operational efficiency, or ADA compliance. The infrastructure systems needed for compliance is simply lacking in these public areas, as well many these areas have not received upgrades since the time of original construction.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

There are 4 toilet facilities located on the first and second floors of the Communications Building, none of which are ADA compliant. This project would design construct the renovations necessary to see that they meet the current code standard for

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Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000097
SubProject Title: Communications Building Restroom Upgrades
SubProject Class Program

accessibility.

Depending upon the outcome of the design phase, other deficiencies will be corrected in the remodeled facilities. Many of the fixtures have reached the end of their life cycles and are difficult to maintain. Replacement of antiquated and obsolete fixtures and finishes will be investigated to the extent that the budget will allow. Reconfiguration of interior spaces will be necessary for ADA compliance. This project is seen as being completed in a single phase within the 2021-2023' biennium.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
The Communications Building makes no public accommodation for individuals with disabilities in their toilet room layouts. This request would modify the existing facilities and/or add new facilities that would meet the current building codes and ADA standards for toilet room design. Currently, individuals with disabilities have only one option which is to use the facilities that will accommodate them located in nearby buildings. The nearest building with such facilities is over 500 feet away which does not meet the intent of the law which states that "reasonable accommodations must be made for individuals with disabilities."

As is the case with reduction of approved funding, the university will prioritize the highest needed project and defer others as required. In many cases this will be an additional burden on our operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these requests are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact our university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects address specific buildings but, these improvements are a benefit to the campus as a whole including our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000097
SubProject Title: Communications Building Restroom Upgrades
SubProject Class Program

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
Depending upon the outcome of the design phase, it may be possible to also satisfy the special needs of families with small children, and for individuals with alternative gender identities. It might also be possible to provide shower facilities for individuals who employ alternate modes of transportation in their commute to and from campus, and accommodation that is in alignment with LEED design practices.

Good planning, system renewal, and minor capital improvements allow for long term reduction of operating costs, emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

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Project Number: 40000075
Project Title: 2021-2023 Minor Works Program (057)
Project Class: Program

SubProjects

SubProject Number: 40000097
SubProject Title: Communications Building Restroom Upgrades
SubProject Class Program

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
057-1	State Bldg Constr-State	750,000				750,000
	Total	**750,000**	**0**	**0**	**0**	**750,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
057-1	State Bldg Constr-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

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Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

Description

Starting Fiscal Year: 2022
Agency Priority: 10

Project Summary

This request is to use Eastern's own capital resources to address deficiencies in the building and other facilities that impact student instruction, compliance, activities and general upgrades that support student success. This projects are gathered and prioritized to make the most positive impact on student success where our students learn, live and participate and activities to further there personal and professional academic goals.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Program projects primarily achieve academic and student support goal. This project includes updating and improving spaces needed to help furthermore functionality as well as program delivery.

Projects requesting this category for the 2021-2023 request are: General Campus ADA (American with Disabilities) Compliance Improvements, Classroom Technology, Campus Emergent Needs, JFK Library Flooring Replacement, and Academic Program Remodels.

This category request is for a sum total of $5,750,000.

The requests are priority-based upon on going assessment, review, and prioritization of campus programs and the academic support needed for academic instruction and university operations. These projects were identified through evaluation of our current systems by architectural engineering consultants, academic program departments and plant staff. From these requests and assessments, we compiled a list of projects and budgetary estimate costs for review and funding requests. These projects are the highest priority to align facilities improvement with the current and future needs of individual departments and general campus spaces. In many cases, the evaluation of these requests show the deteriorating condition of some of the spaces, systems, and equipment. We captured the costs to maintain and operate these facilities through our computerized maintenance management systems (CMMS) and identified those that have the highest need for improvements.

Once staff had captured the needs and budgetary costs to respond, we prioritized these projects to improve and extend the lifecycle of our systems and equipment as well as reduce the maintenance and operating cost for the university.

Eastern’s facilities are complex and costly resources to maintain and operate. These program enhancing projects enable us to defer major capital expenditures through creative preservation measures that extend the lifecycle of our facilities and systems. We continually work to find innovative ways to maintain our facilities and manage the long term costs of the university and state. We designed these projects based on their ability to be maintained on a cost effective level as well as on their ability to respond to the programs and the needs of the students and staff. These type of projects allow us to meet programmatic need without major project resources.

Eastern Washington University is recognized as a model of diversity-serving institution. The project prioritized in this request reflect the university’s strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.
As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space;

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Project Class: Program

Description

etc.)? When will the project be started and completed?
Each separate project will produce enhancements and improvements for the university's facilities. Once funding is approved, we will design and construct projects that will replace or improve the systems or equipment indicated in the proposal. Design on these project will start as soon as funding is approved in July of 2021. Construction will follow as soon as the design and bid for the project are completed. These projects will be scheduled for construction throughout the biennium in coordination with other departments to minimize disruptions, to work around seasonal weather conditions that are related to the scope of work, and finally depending upon the current workload of university staff, implement the projects or manage the contractor that installs the projects.

Currently, our estimates for this project are based upon cost per square foot or budgetary estimate provided by paid consultants or internal staff generated estimates. Once funding is approved and the design is underway, more detailed cost estimates will be developed and reviewed to provide information for project implementation and good stewardship of state resources. The intent would be to have all projects in this category complete prior to June of 2023.

Requests contained in Minor Works Preservation are already developed to be phased once funding is approved. The university understands that funding will not always be available at the level of the request therefore, we plan for the project to be dynamic and flexible with the funding that is made available. We will either reduce the scope of specific project or reduce the facilities being addressed in this request.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?The requests would address the following problems on current university facilities:

· ADA compliance deficiency upgrades.
· Improve the conditions and efficiency of program's instructional classrooms.
· Unforeseen Emergent Needs.
· John F. Kennedy Library Flooring Replacement.
· Program space remodels and improvements.

The result of taking no action will decrease the effectiveness of our instruction, general student spaces to meet our strategic needs, and cause the cause some upgrades related to accessibility and inclusion to not be completed. Some spaces that are deteriorating will continue to do so and their operating costs will continue to rise. This includes regular preventative action as well as regular maintenance. Most of the facilities and space upgrades would include more cost effective system and equipment upgrades; which if deferred would not offer the level of utility cost reduction that could be achieved. Deferring will also impact the ability to provide a safe, comfortable, and accessible campus for all that use it.

As is the case with reduction of approved funding for the university, we will prioritize the highest demand project and defer others as required. In many cases, there will be an additional burden on our operation budgets.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

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Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

Description

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
These requests impact the university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit to the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

OFM

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Report Number: CBS002
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Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

Description

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission 2019.
· Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Minor Works Program projects allow for providing rapid response to programmatic changes and the dynamic needs of the university. While major projects are years in development, these smaller project offer the opportunity to make changes that positively affect students and the college environment in a shorter time frame. These projects also put in place improvements that will bridge department and programs until major project funding is available.

Good planning, system renewal, and minor capital improvements allow for long term reduction of operating costs, emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
061-1	EWU Capital Projects-State	5,750,000				5,750,000
	Total	**5,750,000**	**0**	**0**	**0**	**5,750,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
061-1	EWU Capital Projects-State				
	Total	**0**	**0**	**0**	**0**

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Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

Operating Impacts

No Operating Impact

Narrative

These project are replacement and upgrade to existing facilities and systems that already have funds assigned to their operations.

SubProjects

SubProject Number: 40000098
SubProject Title: Campus ADA Improvements
SubProject Class Program

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000098
SubProject Title: Campus ADA Improvements
SubProject Class Program

Project Phase Title: Campus ADA Improvements
Starting Fiscal Year: 2022
Agency Priority: 10

Project Summary

Eastern is dedicated to full access to academic programs and university facilities for all students that desire to come to our campus. The American's with Disabilities Act guarantees that student, faculty, staff and visitors to our campus have full barrier free access to buildings and the programs within building and outdoor facilities as well. This request is to identify and address those most critical access needs on campus and provide project that correct and upgrade our facilities to meet our strategic needs.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

In areas within our buildings that are outside the main public circulation ways, many deficiencies exist that encumber a student or faculty members with disabilities. In many laboratory-type instructional spaces, separate accommodations are not made that comply with current state and federal ADA regulations. The same can be said for faculty offices and support spaces that at times require access by our students and support staff.

This request will upgrade to current levels of compliance ADA (Americans with Disabilities Act) requirement on Eastern's Cheney campus. This request is for $850,000.

University is committed to eliminating the barriers to accessibility for our students, faculty, and staff. The number of individuals requiring accommodation has increased significantly in the past 25 years mostly due to the fact that public facilities are more user-friendly for those who have disabilities. Correction of most of the known issues requires more than the rearrangement of furniture or the installation of hardware that complies with current code standards.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

This request will result in interior remodeling of a variety of spaces. Following a study that identifies the locations of concern and severity of needs, designs will be prepared for construction. It's anticipated that all work will take place outside of normal times of construction, but it is likely the projects will be phased in order to occur in the short time windows between academic quarters. The first of these projects could start as soon as early December 2021.

Current project estimates are budgetary in nature. A more detailed estimate will be developed when funding is appropriated and the university hires a consultant to better define the specific needs of the project. All that information will be available when it is

Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000098
SubProject Title: Campus ADA Improvements
SubProject Class Program

developed.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Many of our buildings have had substantial remodels in the recent past, not every space has been addressed that affect the use by students and faculty with disabilities. There are still buildings on campus that make no accommodations for individuals with disabilities. This request would modify existing facilities to meet the current building codes and ADA standards.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Many of our campus buildings do not currently meet requirement set out through the ADA process. This is a compliance issue as well as restricting access to programs and facilities by students with special considerations. These upgrade are part of the university required needs to support our strategic plan of inclusion and transforming students for the next generation.

Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
EWU has a growing number of individuals with disabilities seeking higher education on our Cheney campus. Such individuals are not just those who are bound to wheelchairs but include those who are ambulatory impaired (i.e. on crutches, using canes and walkers, or otherwise have difficulty walking), visually impaired, or otherwise physically impaired (i.e. unable to pull the door open under normal circumstances).

Although the students with disabilities would obviously benefit from these improvements, it expands the universities ability to serve a broader and more diverse student population. Almost every academic program has some type of issue that this budget request would solve, from furniture replacement to pedestrian circulation and access.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

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Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000098
SubProject Title: Campus ADA Improvements
SubProject Class Program

Making needed accommodations for faculty, students, staff, and visitors with disabilities achieves the goals of the state of Washington for making reasonable accommodation to this segment of our society. Universally, it provides access to students who would otherwise be prevented or discouraged from seeking higher education.

Eastern Washington University's values, mission, and vision begins with providing a student centered learning environment that fosters excellence in learning. The cornerstone of our strategic plan is student success. This project is about fulfilling our commitment to successfully attracting, retaining, graduating, and transforming the lives of all our students.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agendas.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Where other minor Works requests deal specifically with toilet facilities, this category deals with individual programs that have experienced difficulties in accommodating students and faculty with disabilities in the past. Where many times it is as simple as modifying a door or rearranging the furniture, this request is intended to do what normal maintenance budgets are unable to correct.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type

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Project Class: Program

SubProjects

Project Type

SubProject Number: 40000098
SubProject Title: Campus ADA Improvements
SubProject Class Program
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
061-1	EWU Capital Projects-State	2,000,000				2,000,000
	Total	**2,000,000**	**0**	**0**	**0**	**2,000,000**

		Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
061-1	EWU Capital Projects-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000099
SubProject Title: Classroom Technology
SubProject Class Program

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Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000099
SubProject Title: Classroom Technology
SubProject Class Program

Project Phase Title: Classroom Technology
Starting Fiscal Year: 2022
Agency Priority: 10

Project Summary

The basic instructional classroom (FICM 110) is at the heart of student instruction and communication between faculty and students at the university. That environment and the amenities within the space are critical for student success in a college environment. The renovation and upgrade of instructional classrooms supports Eastern's Strategic goal of student access and student success.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Many Eastern instructional classrooms (FICM 110) lack the technology based equipment and other amenities necessary for modern student instruction. Some of our auditorium style classrooms were upgraded in the late 1990s. Although they included many new electronic features, they have all fallen out of date because of the rapid evolution of the technology equipment industry. Other classroom issue also need improving and renovation such as lighting, sound attenuation, furnishings, flooring and classroom specialties.

In order to keep pace with the changes of our times, Eastern must constantly be changing the amenities offered in our classrooms. A great number of students come from high schools whose classrooms are better equipped than those at our university. The academic success of our students is, in many ways, tied to the facilities they are instructed in. This is never truer than in the area of technology.

This request is to design, improve and remodel existing classroom technology on Eastern's Cheney campus. This request is for $1,000,000.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

Following a brief survey of our existing facilities, though spaces having the greatest priority for improvement in the greatest needs and efficiencies to correct will be remodeled and retrofitted to utilize state-of-the-art instructional technology. Classroom equipment, infrastructure upgrades, and furnishings systems will comprise the majority of the project.

The project could be phased based upon type of project (remodel, new construction, direct purchases, state contracts, etc.) or location of spaces. All work must take place outside of our normal periods of instruction, most likely in a single phase starting the summer of 2021.

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Project Class: Program

SubProjects

SubProject Number: 40000099
SubProject Title: Classroom Technology
SubProject Class Program

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Upgrading the technology in our classroom spaces would be to provide our students with the greatest learning advantages and equip our faculty with the most advanced tools. It would enable the use of visual aids through video projection or large-screen monitors currently not provided, or improve the learning environment by upgrading to systems that are state-of-the-art.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Technology is a substantial component of the current higher education learning environment. The university must keep pace with the educational market to recruit and retain quality students for programs and degrees. Without implementing these improvements Eastern will lose the opportunity for high degree production, reduce time to degree completion and have impacts to our enrollment.

System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
All faculty and staff would benefit from the upgrades that would result from these projects. Not only would it benefit our current students, but it would serve as a tool for recruitment of both future students and prospective faculty.

Because this request addresses needs in all sectors of our campus, everyone is affected by the outcome. It would enable the University to stretch their maintenance resources while providing better service to our campus constituents. It would consume less energy and thereby reduce energy costs, preserving dollars for greater needs.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

Eastern Washington University's values, mission, and vision begins with providing a student centered learning environment that

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Project Class: Program

SubProjects

SubProject Number: 40000099
SubProject Title: Classroom Technology
SubProject Class Program

fosters excellence in learning. The cornerstone of our strategic plan is student success. This project is about fulfilling our commitment to successfully attracting, retaining, graduating, and transforming the lives of all our students.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate. When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
A significant percentage of our classrooms still have antiquated technology such as slide projectors, VCRs, and over had projectors mounted on carts and utilizing wall-mounted pulldown projector screens. Room lighting, acoustics, and HVAC all factor in to the equation when designing spaces for modern technology. These deficiencies are intended to be addressed as well as purchasing and installing new equipment.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

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Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000099
SubProject Title: Classroom Technology
SubProject Class Program

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
061-1	EWU Capital Projects-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

		Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
061-1	EWU Capital Projects-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000100
SubProject Title: Emergent Needs
SubProject Class Program

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Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000100
SubProject Title: Emergent Needs
SubProject Class Program

Project Phase Title: Emergent Needs
Starting Fiscal Year: 2022
Agency Priority: 10

Project Summary

University like Eastern Washington University, can and do come across items or issues that are not visible until at a time when they through failures or new opportunities show that they need to be addressed in a timely manner. The normal request process may not be able to identify the need until is appears. That is what the category of Emergent Needs response to. Those items that cannot be anticipated but need to be addressed when they occur or the unique opportunity arises.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

This request addresses the situations where university needs arise that are unanticipated and unforeseen. Every biennium, careful planning and consideration goes into each request for funding but the dynamics of managing the entire campuses facilities cannot account for those needs that arise sometimes years past the time of the request.

Looking back at each of the past five biennia, Eastern Washington University has found itself in situations where needs arise that were not foreseen. Often times it comes when an opportunity to capture grant funding results in a remodel project or an infrastructure upgrade. Other times it can be a result of receiving a donation or gift-in-kind such as in the case of robotics equipment that has been life-cycled out of a manufacturing facility and given to the University as a tax write off. When this happens, Eastern is the beneficiary only if there are funds to support its installation.

This request is for emergent and non-planned needs on Easter's Cheney campus. This request is for $1,000,000.

In other instances there have been shifts in instructional programs that require minor remodeling. In modern languages, for example, there was a recent change from audio cassette learning stations to computer-driven systems. Where the change was obviously beneficial to the programs initiating it, it placed an undue burden on our facilities infrastructure that required significant additions and alterations to accommodate.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

Where these changes are unforeseen, specific details of what will be produced cannot be given. What can be anticipated is that these needs will arise and there will need to be funds in place in order to meet them. The projects that we would address sometimes surface in between the time of our request and the start of the biennium giving the University time structure a plan for execution.

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SubProjects

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SubProject Title: Emergent Needs
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Phasing will be a matter of the number and types of projects the University will undergo. It is not likely that the entire requested amount will go towards a single project (although there is always that potential). It is most likely that several projects will be addressed in this category and will be constructed across the entire time span of the 2021-2023 biennium.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
By funding these types of programs contingencies, the University is positioned to meet the changing needs of our educational and support departments. It enables us to keep pace with emerging technologies, pedagogical shifts, increasing enrollments, and successes in marketing. It would avoid the situation where opportunities to support the University's mission and to enhance the education experience would be missed or delayed due to lack of funding.

The results of not taking action on these items increase emergency funding required for catastrophic system failures and continue to raise the cost of regular maintenance on critical systems and equipment.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plan.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
This request would be a reserve fund that would be for any and all needs that would arise that were unaccounted for in the biennium funding request. It has the potential to benefit any program or department on campus, the University would prioritize it towards those projects which it deems as critical in supporting the university's mission to enhance the quality of education to our students.

Because this request addresses needs in all sectors of our campus, everyone is affected by the outcome. It would enable the University to stretch their maintenance resources while providing better service to our campus constituents. It would consume less energy and thereby reduce energy costs, preserving dollars for greater needs.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

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Project Class: Program

SubProjects

SubProject Number: 40000100
SubProject Title: Emergent Needs
SubProject Class Program

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission Limits 2019
· HB 1257 Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update

Is there additional information you would like the decision makers to know when evaluating this request?
These projects reduce total replacement costs and defer major capital requests over a longer period of time. Implementing

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Project Class: Program

SubProjects

SubProject Number: 40000100
SubProject Title: Emergent Needs
SubProject Class Program

these projects extends the overall lifecycle of our facilities and aligns with our university's mission and goals by managing our maintenance backlog and reducing cost.

Good planning, system renewal and minor capital improvements allow for long term reduction of operating costs, reduction of emergency or catastrophic failures and extend the lifecycle of mission critical systems for the university.

The university continues to capture and prioritize Minor Works so that when funds become available, we can assign them to projects that are most critical to our operation and complete them in a timely manner. Continual deferring of the critical projects could cause premature, catastrophic and costly failures. Minor projects reduce the frequency of emergencies and cost less on a long term basis.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

		Expenditures			2021-23 Fiscal Period	
Acct Code	Account Title	Estimated Total	Prior Biennium	Current Biennium	Reapprops	New Approps
061-1	EWU Capital Projects-State	1,000,000				1,000,000
	Total	**1,000,000**	**0**	**0**	**0**	**1,000,000**

		Future Fiscal Periods			
		2023-25	2025-27	2027-29	2029-31
061-1	EWU Capital Projects-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

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Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000101
SubProject Title: John F. Kennedy Library Floor Replacement
SubProject Class Program

Project Phase Title: John F. Kennedy Library Floor Replacement
Starting Fiscal Year: 2022
Agency Priority: 10

Project Summary

Carpet flooring usually requires replacement within 10 to 15 years after its installation. Hard surface floors such as resilient tile can require replacement from 10 to 20 years. The JFK library was originally constructed in 1967, replacing the University's original 1940 library building. The replacement of the flooring is becoming a health and safety issues as well as a building quality issue.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

The JFK library was originally constructed in 1967, replacing the University's original 1940 library building. The entire facility underwent a complete remodel in the late 1990s. Since that time, only minor upgrades and remodeling have been done to support emerging program needs. Regular maintenance has been performed to maintain the state's investment, but many of the interior finishes have reached the end of their normal useful life.

Carpet flooring usually requires replacement within 10 to 15 years after its installation. Hard surface floors such as resilient tile can require replacement from 10 to 20 years. All of the floor finishes in this facility are reaching or have reached the end of their life cycle. Because of the large floor area and the logistics involved in changing carpet around book collections and the constant use of the facility, piecemeal replacement as a maintenance project is unfeasible. Replacement of these finishes as a minor Works project would be the most financially and logistically feasible.

This request is to replace the flooring in the John F. Kennedy Library on Eastern's Cheney campus. The request is for $850,000.

The original construction called for the carpet to be furnished in roles, laid on an open floor before bookshelves and fixed casework was installed. The backing material of such carpets could not withstand modern methods of cleaning that involve steam and injected hot water, limiting the University's ability to maintain these products. Time and use has caused this carpet to have reached the end of its useful life in most areas, and in high traffic areas it has reached that point many years ago.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed? Identify whether the project can be phased, and if so which phase is included in this request. Be prepared to provide detailed cost backup.

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Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000101
SubProject Title: John F. Kennedy Library Floor Replacement
SubProject Class Program

This request would accomplish the complete replacement of worn out flooring materials in one of our most heavily used facilities on campus. The library is usually the first building to open and the last billing the close, and operates seven days a week during the academic school year. The likely window of opportunity to accomplish this work would be between the summer and fall academic quarters, from early August until late September 2022.

It is not expected to be done in separate phases in order to minimize the downtime and disruption to the universities use of this critical need space. Because of the logistical conflicts with existing bookcases and other casework, it would require an additional level of selective demolition and removal and replacement of existing construction in order to do the job properly. Because of the critical function that our library service for our students, the project cannot be accomplished over an extended period of time.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?
Replacement of the flooring would enhance the facility not only from an aesthetic standpoint but also from an acoustic standpoint. The construction of carpet has changed over the past 20 years and new products that are available to us now would be expected to perform better and last longer than those that were available for selection at the time of the building's original construction. New carpets are now available in square tiles that enable us to replace areas of damage and high traffic wear selectively under normal maintenance, extending the life of the entire installation.

The construction of carpets has also changed such that they easily withstand the modern ecologically friendly means of cleaning using specialized hot water extraction equipment. The University currently maintains all their carpets this way except for those whose construction cannot withstand it. By leaving the existing carpet, greater failures would be expected in the near future such as delamination, unraveling, tears, and discoloration.

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluates all alternatives including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
Because the library is the most utilized building on our campus by our entire student, faculty, and staff population, the greatest number of people would benefit by this project. It would extend the life of the facility and thereby protect the investment made by the state. It would also benefit our maintenance and operation staff by providing a flooring material that is more durable and easily maintained.

These requests impact the university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit to the campus as a whole and our entire clientele.

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SubProject Title: John F. Kennedy Library Floor Replacement
SubProject Class Program

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

The projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

The most prudent use of our financial resources is to maintain the facilities that the state has already invested in. Where maintenance dollars cannot be stretched to make capital improvements for the complete replacement of building components that have reached the end of their life cycles, these projects enable us to continue our use of these facilities for many decades in the future. EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgraded Eastern addresses the efficiency of the new equipment or system upgrades to reduce

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SubProjects

SubProject Number: 40000101
SubProject Title: John F. Kennedy Library Floor Replacement
SubProject Class Program

carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems
· HB 2311 Greenhouse Gas Emission 2019
· Clean Building for Washington Act 2019
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Considering that this floor is approximately 45 years old, and that it has been maintained on an annual basis, it is surprising that it has lasted this long. It is not expected that it will last much longer. Replacement would not only extend its life, but improve its performance as the technology in the design of materials of this type has advanced since the original installations.

Location
City: Cheney **County:** Spokane **Legislative District:** 006

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Expenditures Current Biennium	2021-23 Fiscal Period Reapprops	2021-23 Fiscal Period New Approps
061-1	EWU Capital Projects-State	850,000				850,000
	Total	**850,000**	**0**	**0**	**0**	**850,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
061-1	EWU Capital Projects-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

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Report Number: CBS002
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Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000101
SubProject Title: John F. Kennedy Library Floor Replacement
SubProject Class Program

No Operating Impact

Narrative

These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.

SubProject Number: 40000102
SubProject Title: Program Remodels
SubProject Class Program

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Capital Project Request
2021-23 Biennium

Version: C1 Eastern Washington University

Report Number: CBS002
Date Run: 9/11/2020 9:35AM

Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

SubProject Number: 40000102
SubProject Title: Program Remodels
SubProject Class Program

Project Phase Title: Program Remodels
Starting Fiscal Year: 2022
Agency Priority: 10

Project Summary

Each biennia, Eastern is required to provide for small program upgrades and renovations to meet the every dynamic and changing market to enhance the environment for student instruction and activities. Small Works program Remodels request allow the university to quickly respond to department and university needs at detailed level. This continue to recruit and retain the best students. This builds programs, increases FTEs and increases our graduate rates in many department and programs.

Project Description

Identify the problem or opportunity addressed. Why is the request a priority? This narrative should identify unserved/underserved people or communities, operating budget savings, public safety improvements or other backup necessary to understand the need for the request. For preservation projects, it is helpful to include information about the current condition of the facility or system.

Eastern Washington University runs over 50 academic related programs each year. Because of new pedagogical means, methods and technologies, changes are necessary in several programs. In the cases where the requirements for accreditation change due to new methods of instruction or new findings based on recent research, remodeling of program space is necessary to maintain our accreditations and certifications.

This request is to improve and renovation Programmatic Space on Eastern's Cheney campus. This request is for $1,000,000.

Keeping pace with peer institutions by offering programs that are on par with the higher education norm makes this request a high priority. In most cases, the students served are upperclassman close to achieving undergraduate degrees. In the programs involving engineering and technology, specialized equipment and the infrastructure necessary to support it is ever-changing. These programs affect a large percentage of our student population pursuing degrees in those areas.

Eastern Washington University is recognized as a model diversity-serving institution. The projects prioritized in this request reflect the university's strategy to support students and deliver high quality academic programs. We embrace changing demographics and societal needs. Through culturally responsive curricula and campus activities, we work tirelessly to promote understanding and reduce disparity and inequity. Enhancing access to higher education in the Inland Northwest and beyond by recruiting and supporting traditional college-bound students and those from under-served populations.

As this group of projects is developed we consistently look for improvements that create operating budget savings. All improvement emphasize the safety of our faculty students and community guests on our Cheney campus. Current regulatory requirements and the university safety policies are part of all upgrades and renovations on campus.

What will the request produce or construct (i.e. predesign or design of a building, construction of additional space; etc.)? When will the project be started and completed?

This request supports the design and construction of the existing spaces to support new equipment intended to enhance specific academic programs. Where the individual projects have yet to be identified, each biennium usually produces more projects than the funding levels can support. The amount of our request is the approximate average of several past biennium's requests.

How would the request address the problem or opportunity identified in question #1? What would be the result of not taking action?

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SubProject Title: Program Remodels
SubProject Class Program

As needs arise, this request would enable the University to respond to those needs on a case-by-case basis, upholding our commitment to quality education through our course offerings and special programs. In some cases it would result in remodeling space, in other cases providing the infrastructure necessary to support new equipment sometimes obtained through outside funding sources (i.e. grants, donations, etc.).

What alternatives were explored? Why was the recommended alternative chosen? Be prepared to provide detailed cost backup. If this project has an associate predesign, please summarize the alternatives the predesign considered.
Program projects primarily achieve a programmatic goal, such as changing or improving an existing space to meet program requirements or creating a new facility or asset through construction. In most cases the systems and equipment addressed in these request are at the end or past then end of their lifecycle and are in need of upgrading or replacement. System and equipment failure is not a productive alternative. Continuing to apply restricted operating funds to failing equipment and systems is not good use of state resources. Other more cost effective alternatives are always considered due to the lack of available resources. The university evaluate all alternative including deferring the projects to a later date. The analysis is based upon the needs of the university and its academic and student based programs to continue to succeed and meet the goal of our strategic plant.

These project do not have any predesign associated with their implementation.

Which clientele would be impacted by the budget request? Where and how many units would be added peoples or communities served, etc.
This budget request would most likely provide a positive impact to our upper level courses that utilize special spaces and equipment. Programs such as engineering, technology, physical therapy, dental hygiene, fine arts, modern languages, and physical education are heavily dependent upon uniquely equipped facilities.

These requests impact the university students, faculty, staff and community members that use our facilities on campus. This is our service area and includes a variety of university and community activities on a daily basis. Some projects specifically address specific buildings but, these improvements are a benefit to the campus as a whole and our entire clientele.

Will other funding be use to complete the project? How much, what fund source, and could the request result in matching federal, state, local or private funds?
No non-state funds are associated with this project.

Describe how the project supports the agency's strategic master plan or would improve agency performance. Reference feasibility studies, master plans, space programming, and other analyses as appropriate.

These projects are developed and prioritized based upon the needs stated in the university Academic Strategic Plan (2018) https://sites.ewu.edu/strategic-planning/

and our Comprehensive Campus Master Plan (2014).
https://d3tb2mkdocc4em.cloudfront.net/facilities/wp-content/uploads/sites/191/2017/01/EWU-CCMP_All-Sections_Web_optimized_v2.pdf

The projects included here affect many other state programs such as sustainability and cost effective facilities management. These projects extend the lifecycle of our buildings' systems and respond to the normal life cycle deterioration that progress in all facilities.

EWU's sustainability goal is to promote environmental sustainability and reduce the impact of university operations on the

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SubProjects

SubProject Number: 40000102
SubProject Title: Program Remodels
SubProject Class Program

environment. The University established a sustainability committee charged with being an instrument for the discussion of sustainability and energy conservation between the various campus and stakeholders the goals that they established and the timelines that were set were intended to meet the intent of the AASHE (Association for the Advancement of Sustainability in Higher Education) and with the ACUPCC (American Colleges and University Presidents Climate Commitment). Such goals include the conservation of our water resources, reduction in energy costs and decreasing our carbon footprint.

EWU expands opportunities for personal transformation through excellence in learning through; enhancing access to higher education in the Inland Northwest and beyond and supporting traditional college-bound students and those from under-served populations; Delivering high quality academic programs that undergo regular, rigorous review informed by data and assessment of student learning and Promoting student success by supporting student engagement and timely degree completion.

Does this project in IT-related costs, including hardware, software, cloud based services, contracts or IT staff? If yes IT Addendum.
There are no related IT cost in this request.

If the project is linked to the Puget Sound Action Agenda, describe the impacts on the Action Agenda, including expenditure and FTE detail. See Chapter 13 (Puget Sound Recovery in the 2019-21 Operating Budget Instructions).
This project request has no link to the Puget Sound Action Agenda.

Does this project contribute to statewide goals to reduce carbon pollution and/or energy efficiency? If yes, please elaborate.
When system or equipment is upgrade Eastern's addresses the efficiency of the new equipment or system upgrades to reduce carbon emissions, conserve energy and reduce overall operating costs. Planning and design for these projects will meet or exceed current Washington State Energy Code WAC 51-11C. We also review design and implementation against our Climate Action Plan and Washington State requirements for reduction of greenhouse gas emissions RCW 70.235.

This project is designed to address the necessary replacement of infrastructure systems and components that are past their effective lifecycle, are costly to operate because of age and technology, and are at risk of failure. Completion of these projects will update compliance with a variety of state and local jurisdictional requirements including:

· RCW 39.35D High Performance Public Buildings – high efficiency components and systems.
· RCW43.19.668; 669; 670; 682 Energy Conservation – high efficiency components and systems.
· HB 2311 Greenhouse Gas Emission Limits 2019.
· HB 1257 Clean Building for Washington Act 2019.
· EWU Facilities Climate Action Plan 2020 update.

Is there additional information you would like the decision makers to know when evaluating this request?
Examining past levels of enrollment point towards the future trend of students seeking instruction and degrees in engineering, computer science and technology, programs that are uniquely dependent upon the facilities they are accommodated by. Where some programs' facility needs do not change due to the nature of their instruction (i.e. English, math, etc.) These particular programs see changes on a yearly basis. In the areas of computer and audiovisual equipment alone, five-year-old equipment can be considered obsolete.

The equipment itself represents one cost, it is typical that the infrastructure required to support it becomes the greater cost in its installation. In extreme cases (usually science) it can require the complete remodeling of existing space or the creation of new space (i.e. research laboratories requiring finely tuned and sensitive HVAC systems).

Location
City: Cheney **County:** Spokane **Legislative District:** 006

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Project Number: 40000076
Project Title: 2021-2023 Minor Works Program (061)
Project Class: Program

SubProjects

Project Type

SubProject Number: 40000102
SubProject Title: Program Remodels
SubProject Class Program

Project Type
Program (Minor Works)

Growth Management impacts
There are no Growth Management Impacts associated with these projects.

New Facility: No

Funding

Acct Code	Account Title	Estimated Total	Expenditures Prior Biennium	Current Biennium	2021-23 Fiscal Period Reapprops	New Approps
061-1	EWU Capital Projects-State	900,000				900,000
	Total	**900,000**	**0**	**0**	**0**	**900,000**

Acct Code	Account Title	Future Fiscal Periods 2023-25	2025-27	2027-29	2029-31
061-1	EWU Capital Projects-State				
	Total	**0**	**0**	**0**	**0**

Operating Impacts

No Operating Impact

Narrative
These projects are upgrades and replacements of existing equipment and building systems that already have operating resources assigned.