



UNIVERSITY
of ALASKA

Many Traditions One Alaska

Proposed

FY26 Capital Budget

Board of Regents
November 7-8, 2024

Prepared by: University of Alaska System
Office of Strategy, Planning, and Budget
907.450.8426

<http://www.alaska.edu/swbudget/>

University of Alaska
Proposed FY26 Capital Budget Summary
(in thousands of \$)

	Unrestricted General Funds (UGF)	Designated, Federal and Other Funds	Total Funds
Facilities Deferred Maintenance and Modernization Strategy⁽¹⁾	60,000.0	0.0	60,000.0
UA FY26 Facilities and Major Renewals			
UAF Seward Marine Center-Infrastructure and Shore Side Ship Support Facility Renewal & Replacement	18,000.0	85,300.0	103,300.0
UAA Alaska Leaders Archives Consortium Library Renovation – Phase 2 ⁽²⁾	2,500.0 7,000.0	34,500.0 30,000.0	37,000.0
UAS Mariculture Program Expansion	4,100.0		4,100.0
Facilities and Major Renewals Subtotal	24,600.0	119,800.0	144,400.0
UA FY26 Receipt Authority Projects			
UAA Indigenous Gathering Space		3,500.0	3,500.0
UAF Troth Yeddha' Indigenous Studies Center ⁽³⁾		53,000.0	53,000.0
UAS Egan Library / Cyril George Indigenous Knowledge Center		2,500.0	2,500.0
Receipt Authority Projects Subtotal	0.0	59,000.0	59,000.0
UA FY26 Research Programs and Other Governor Priorities			
UAF R1 Strategy Continuity	7,500.0		7,500.0
UAF ACUASI (Year 4)	14,000.0		14,000.0
UAA Alaska Applied Innovations in Artificial Intelligence	6,500.0		6,500.0
UAF AK Energy Transitions (ACEP) and Carbon Monitoring Research (CFOS)	10,000.0		10,000.0
UAF Agriculture and Food Systems for Alaska's Economic Sustainability	5,000.0		5,000.0
Research Programs and Other Governor Priorities Subtotal	43,000.0	0.0	43,000.0
FY26 Capital Budget Total	127,600.0	178,800.0	306,400.0

1. UA is pursuing a legislative strategy for consistent annual state funding a "University of Alaska Major Maintenance and Modernization Fund". A modest revenue stream of \$35 million annually would bring UA greater financial stability, with historical appropriations and funding levels signifying broad support by the State of Alaska.

2. Total Project Cost \$43 million, \$6 million receipt authority received in FY24.

3. To recognize the current momentum of the fundraising efforts, there will also be a FY25 supplemental request.

Facilities Deferred Maintenance and Modernization Strategy

FY26 (GF: \$60,000.0, NGF: \$0.0 Total: \$60,000.0)

The University of Alaska (UA) is Alaska's system for higher education and a world leader in arctic and climate change research. UA is responsible for maintaining facilities and infrastructure across the state, with 400 facilities totaling 8.2 million gross square feet, an average age of 36.5 years, a replacement value of \$7.1 billion, and a deferred maintenance/renewal & repurposing (DM/R&R) backlog of almost \$1.5 billion.

Years of unfunded deferral of critical capital projects have increased the risk of building closures. There have been numerous unplanned closures causing significant hardship on student learning and research activities, as well as the associated lost productivity of university students, faculty/researchers, and staff. Priority projects at the university include:

UAA's priority projects include maintenance in essential residential facilities, such as the **Main Apartment Complexes, Templewood Apartments**, and three residential halls built in the 1980s. These projects will focus on enhancing safety by addressing structural deficiencies, improving energy efficiency through upgrades, reducing operating costs with proactive maintenance, and modernizing facilities to enhance the resident experience.

UAF's top projects address building systems at key facilities, including **Cutler Housing**, the **UA Museum of the North**, and the **University Park Building**. Cutler Housing will have its failing roofs replaced to address damage, while the UA Museum requires a complete roof replacement due to membrane failure. Additionally, the south wing of the University Park Building will become a childcare center for UAF staff and students.

UAS' priority projects will upgrade key infrastructure, including the water main, heating systems, fuel tanks, and roofs for **Banfield Hall** and the **Hendrickson Building**. The 49-year-old water main needs assessment due to previous failures, while underperforming LG Air Source Heat Pumps will be replaced for improved efficiency. Additionally, aging fuel tanks will be upgraded to double-walled models with leak detection, and both roofs will be renewed, focusing on the deteriorating Hendrickson Building.

UA FY26 Facilities and Major Renewals

UAF Seward Marine Center-Infrastructure and Shore Side Ship Support Facility Renewal & Replacement

FY26 (GF: \$18,000.0, NGF: \$85,300.0 Total: \$103,300.0)

UAF has submitted a proposal to the National Science Foundation (NSF) to support the construction of a new dock in Seward, that will support continued operations of the **R/V Sikuliaq**. If awarded, a new dock for year-round servicing/berthing of the R/V Sikuliaq, will be constructed with federal grant funds. However, the grant does not include funding for the necessary replacement of the shoreside facility that must be completed alongside the dock after the current warehouse, mooring shop, and machine shop are demolished to accommodate the new dock. This proposal aims to execute the project simultaneously, as it is the most cost-effective approach for completion. This project is critical for ensuring Alaska stays at the forefront of Arctic research and maintaining partnership with NSF for ship operations.

The UAF Seward Marine Center is located at the head of Resurrection Bay, one of the primary docking facilities for visiting research vessels and homeport of the NSF-owned and UAF-operated Global Class R/V Sikuliaq, the only ice-capable research vessel in the University-National Oceanographic Laboratory System (UNOLS). Research vessels, and other vessels in the federal fleet, such as the US Coast Guard Cutter Healy, rely on essential shoreside facilities that are connected to the road system in Alaska, to efficiently stage, mobilize, and demobilize expeditions. Seward is the only ice-free port in Alaska that is connected by rail and road to a major city and international airport, thus holds strategic importance in supporting a wide variety of research missions in the Arctic. The current dock and shoreside facilities at the Seward Marine Center have exceeded their useful life considerably and no longer provide effective ship support. Construction and renovation of modern forward-looking sea and shore side infrastructure is needed to support future Arctic Ocean observation, prediction, and scientific breakthroughs. This project will construct new logistics support facilities including a staging warehouse and mooring shop to directly support efficient and effective high-latitude maintenance, operations, and research.

This project removes \$55M in DM projects.

The Board of Regents approved the SOR on September 6, 2024.

FY26 Capital Budget Request Descriptions

UAA Alaska Leaders Archives Consortium Library Renovation – Phase 2

FY26 (GF: \$2,500.0, NGF: \$34,500.0, Total: \$37,000.0)

FY26 (GF: \$7,000.0, NGF: \$30,000.0, Total: \$37,000.0)

The Alaska Leaders Archives will preserve and promote the legacy of public service and leadership in Alaska. Established at the University of Alaska Anchorage (UAA), the archives will hold the public records, papers, and artifacts of Alaska's public leaders. The archival papers of Senator Ted Stevens, and prospectively Congressman Don Young, will hold a preeminent role in the archives' collections. The archives will also include papers from more than 100 Alaska leaders including Governor Jay Hammond, Governor Wally Hickel, Vic Fischer, Willie Hensley, and numerous others. The archives will include records of Alaska Native Corporation leaders, tribal leaders, as well as business and community leaders who played key roles in Alaska's history and Arctic policy. The archives will be accessible to students, faculty scholars, policymakers, and the general public.

The Alaska Leaders Archives will include programming in support of Alaska and Arctic Public Policy and will be housed at the UAA/APU Consortium Library. Facility renovations to the existing library will create a modern archive, enhanced academic and conference space, and a public-facing museum. This unique public repository will bring together, in one place, the documents of Alaska leaders and hold these artifacts for future generations. The archives will allow Alaskans and visitors an opportunity to study and relive events that have shaped the state's history. UAA will present these archives to the public for study and discussion without regard for political considerations or affiliations. The university will use these historical records as the base foundation to advance pathways for civic engagement and programming for public service, dialogue, and active civic engagement.

This project encompasses non-state funding in the following phases: Phase 1 requires an additional \$16.5 million, comprising of \$3 million from federal sources and \$13.5 million from gifts, grants, and contracts. Phase 2 seeks \$18 million, which includes \$3.3 million from federal sources and ~~\$10.2~~ \$14.7 million from gifts, grants, and contracts.

This project removes \$13M in DM projects.

The Board of Regents approved the FPA on May 26, 2023, and the SDA for Phase 1 on September 5, 2024.

UAS Mariculture Program Expansion

FY26 (GF: \$4,100.0, NGF: \$0.0, Total: \$4,100.0)

The UAS Applied Fisheries Program has been expanding its mariculture offerings in response to the increasing demand for skilled technicians and farmers within this emerging industry. To facilitate the growth of the program, this project will purchase an existing fully equipped floating mariculture laboratory and then construct a floating strut frame moorage. This floating laboratory will be moored on the Sitka Campus waterfront. This facility will also support instructional activities such as scuba diving, small skiff operation, and cold-water survival training, all of which are instrumental in preparing students for careers in the mariculture industry.

The total project cost is \$5.5M, with \$1.4M of support from a previous one-time legislative appropriation.

The Board of Regents approved the FPA on May 23, 2024.

UA FY26 Receipt Authority Projects

UAA Indigenous Gathering Space

FY26 (GF: \$0.0, NGF: \$3,500.0, Total: \$3,500.0)

This project is in direct alignment with the Alaska Native Success Initiative (ANSI) and UAA's 2020 Campus Master Plan by celebrating a unique campus identity in the Alaskan landscape, locating Alaska Native programs in prominent student-facing locations, while reinvesting in existing spaces to improve the student and community experience, by seeking to create an Indigenous Gathering Space in the Learning Hub of the Anchorage Campus.

UAA's advancement crew is securing non-state funding through direct donations, public agency grants, and corporate sponsorships.

The Board of Regents approved the CMP in 2022.

UAF Troth Yeddha' Indigenous Studies Center

FY26 (GF: \$0.0, NGF: \$53,000.0, Total: \$53,000.0)

The University of Alaska Fairbanks (UAF) is an established national leader in Alaska Native studies, research, and teaching and is on track to become a global leader in the field of Indigenous studies. With growing demand for expertise in Indigenous knowledge systems and increasing enrollments of Alaska Native and American Indian students, UAF is positioned to become the first public university in the nation to have an Indigenous Studies Center that offers a comprehensive portfolio of research, learning, and student support programs. The Troth Yeddha' Indigenous Studies Center is the pathway forward to advance the many goals of the Alaska Native Success Initiative and UAF's 2023-2027 strategic plan.

Timing is crucial as UAF responds to emerging demand in areas such as the revitalization of Indigenous culture and languages and the integration of Indigenous knowledge in Arctic research. Indigenous knowledge systems hold critical value to many academic disciplines and to the future of global sustainability as a whole.

The proposed project will support fundamental strategies of expanding and deepening UAF's leadership in Alaska Native and Indigenous programs throughout the world and more fully integrating Indigenous knowledge into UAF's academic, research, and outreach programs. The facility will also support UAF's mission to train a workforce in numerous academic and professional areas that are critical to Alaska. Further, new and emerging research that draws upon Indigenous knowledge in a wide array of subjects, such as natural resource management and One Health initiatives, will support UAF's strategic goal of achieving Tier 1 research institute status and build momentum for larger endeavors in the Arctic.

The project has received approximately \$5 million in grants and private gifts that have moved the design to near completion. The balance of the project will be funded through corporate sponsorships, private gifts, and other public agency grants. Upon completion, three community campus buildings in Fairbanks will be divested or shifted to the main campus for repurposing, eliminating \$55 million deferred maintenance renewal.

To recognize the current momentum of the fundraising efforts, there will also be a FY25 supplemental request.

The Board of Regents approved the FPA on June 3, 2022, and the SDA on February 23, 2024.

UAS Egan Library / Cyril George Indigenous Knowledge Center (CGIKC)

FY26 (GF: \$0.0, NGF: \$2,500.0, Total: \$2,500.0)

More UAS students enrolled in 2021 Introduction to Alaska Native Studies (ANSS101) than any other class offered at UAS. This project promotes student enrollment by reinforcing student's enthusiasm for learning of Alaska Native culture. Indigenous languages of Southeast Alaska, Tlingit, Haida, and Tsimshian are critically endangered with fewer than 200 fluent speakers. This project aims to create an Indigenous Knowledge Center to:

1. Centralize and promote the quality and value of Alaska Native/Indigenous knowledge,
2. Develop an Elders and Indigenous Scholars in Residence program,
3. Enhance access and delivery of hybrid courses in Alaska Native Languages to preserve the continuity of endangered indigenous languages.

The creation of the Cyril George Indigenous Knowledge Center (CGIKC) will focus on a primary architectural space, created sympathetically within the existing structure of the Egan Library. It will incorporate stacks for the primary book and audio/video collection, as well as provide a central socialization/conversation space and designated display space for Northwest Coast Art. This project will receive \$850 thousand in funding from federal sources, with an additional \$1.65 million coming from private fundraising. The space will have the capacity for hosting and broadcasting small events (~30 seats) and function as the conduit or entry to other associated spaces, so that overall cohesion and identity to the center is clearly established.

Design concepts for the facilities include the following components:

1. Language Classroom and related spaces: A mid-size (20-30 seats) classroom for language instruction purposes fully outfitted to support a sophisticated blended/hybrid environment for the study of Alaska Native Languages. An adjacent gathering space with a kitchen for cultural food preparation, event staging, storage, a pantry, and a small break area with a table.

FY26 Capital Budget Request Descriptions

2. Instructional Technology Storage to provide a secure space for electronic and media equipment specific to language instruction.
3. Private Audio/Study Labs: Two small spaces, acoustically separated from adjoining spaces, but configured to allow visual control and connectivity to be used for language and oral history recording as well as for work with elders and students.

The Board of Regents approved the CMP in 2022.

UA FY26 Research Programs and Other Governor Priorities

UAF R1 Strategy Continuity

FY26 (GF: \$7,500.0, NGF: \$0.0, Total: \$7,500.0)

This request is for R1 continuity, building on the FY25 investment. The remaining funds are needed by FY27. Securing R1 status at UAF has the potential to transform Alaska's economy. UAF has the opportunity to not only increase research revenue in the university, but more importantly support local businesses and drive Alaska's economy. Achieving R1 status at UAF will attract the nation's top students and faculty to UAF, further improving business opportunities in Alaska. UAF achieving R1 research status is not just about growing research, it's about growing Alaska.

UAF ACUASI (Year 4)

FY26 (GF: \$14,000.0, NGF: \$0.0, Total: \$14,000.0)

UAF and its partners across UA are working to develop a drone economy in Alaska. This effort includes developing educational pathways into this emerging industry, working with the FAA to develop rules and regulations that will allow the safe integration of drones with traditional aviation in Alaska, supporting the development and testing of technologies for Alaskan missions created by Alaskan companies, and determining the potential economic and social benefits of the technology to Alaskans, especially those in rural communities.

UAA Alaska Applied Innovations in Artificial Intelligence

FY26 (GF: \$6,500.0, NGF: \$0.0, Total: \$6,500.0)

This request is part of a broader 3-year, \$19.5 million project request, and builds on UAA's foundational position as Alaska's leader in artificial intelligence (AI). This request will empower the university to ensure Alaska's workforce is capable of utilizing and capitalizing on the benefits of generative AI.

UAA's College of Business and Public Policy was one of the first colleges of business to integrate AI into its curriculum. In partnership with the College of Engineering, the Alaska Data Science and Artificial Intelligence Lab (ADSAIL) was launched. ADSAIL provides the space for student collaboration, applied student AI research and skills development, data science, and augmented reality. The Alaska Small Business Development Center (SBDC) was one of the first of the national SBDCs to lean into generative AI and how it can help Alaska businesses. SBDC has assisted dozens of Alaskan business owners create and implement AI tools and is now teaching other SBDCs how they can do the same. Further, UAA's School of Engineering is leading the way in discussing the ethical use of generative AI in classrooms and university processes through the National Science Foundation's (NSF) Enabling Partnerships to Increase Innovation Capacity (EPIIC) program.

To date, UAA's efforts have been distributed. UAA seeks to harmonize, expedite, and magnify this effort by formalizing these efforts to transform educational and community service programs in a way that ensures UAA graduates and community partners learn about the potential of these tools and the ethics in their application.

Through focused instructional design and faculty development, this request will coalesce these AI activities and drive funding toward course and curriculum design to infuse AI understanding within degree programs, empowering faculty in every college to be industry leaders. The creation of an internal, competitive grant will seed faculty projects, making UAA more competitive for externally sponsored opportunities that will drive the pursuit of the most innovative ideas for integrating generative AI into the fabric of Alaska's bright future. In addition, this initiative will set up a team of project developers that will apply these tools to internal processes, thus becoming a living laboratory for how generative AI can focus human efforts on truly value-added activities. This effort will strengthen relationships with partners, such as local

FY26 Capital Budget Request Descriptions

governments, the State of Alaska, and others; sharing knowledge on how they too can apply these tools will help address the volume of work with the constraints present in the labor market.

UAF AK Energy Transitions (ACEP) & Carbon Monitoring Research (CFOS)

FY26 (GF: \$10,000.0, NGF: \$0.0, Total: \$10,000.0)

This request helps the Alaska Center for Energy and Power (ACEP) continue developing Alaska's capacity to navigate the energy transition based on well-informed decisions about heating and electrical energy usage in the state. The request is based on many Alaska Energy Security Taskforce outcomes, including the Revitalization of the Alaska Energy Data Gateway (hosting platforms, databases, and dashboards underlying the Energy Data Gateway), modeling grid impacts on future rail belt heating and electrical demands, developing and further exploring Alaska's nuclear roadmap, and supporting energy policy development.

This request also includes funding for ocean carbon monitoring/ocean acidification research conducted through the College of Fisheries and Ocean Sciences. The significance of marine resources and services is vital to food security, culture, and employment opportunities. Recent studies indicate the intensity and duration of ocean acidification in Lingít Aaní surpass the global average, with potentially negative biological impacts related to ocean acidification to emerge in the next 15 years. Ocean acidification, a consequence of rising atmospheric carbon dioxide, poses a looming threat to Alaska's mariculture industry and the broader blue economy. In response to this challenge, it becomes imperative to implement comprehensive strategies encompassing monitoring, mitigation, and adaptation measures. The call for additional monitoring from stakeholders in Lingít Aaní is related to the need for data that will lead to actionable information for decision-makers such as Tribes, industry, and resource managers.

This request includes field research safety and regulatory compliance enhancements to reduce risk, reputational harm, and potential financial loss as a result of the growing UAF research enterprise. UAF has a duty to ensure all field researchers have equal support in mitigating risks and are compliant with policies, laws, and regulations.

UAF Agriculture and Food Systems for Alaska's Economic Sustainability

FY26 (GF: \$5,000.0, NGF: \$0.0, Total: \$5,000.0)

Alaska agricultural research will become more agile as the state faces increasing food security demands and the need for industrial growth and expansion to help all Alaskans live better lives. Investment in agricultural research by the state will open more opportunities for diversified research production, meet federal capacity grant funding needs, and become a viable place for collaborative agricultural research with other states and nations.

University of Alaska
Deferred Maintenance (DM) and Modernization Strategy
Working List of Projects

(in thousands of \$)

						FY26	FY26
MAU	Project Name	City	DM	R&R	Total	\$60.0M	\$35.0M
1	UAA Residential Campus Building Envelope and System Renewal	Anc.	3,122.7		3,122.7	3,000.0	3,000.0
2	UAF Critical Roof and Envelope Renewal: Cutler Housing, UA Museum of the North, University Park Building	Fai.	11,448.8	2,031.7	13,480.5	12,000.0	9,935.2
3	UAS Juneau Campus Water Main Assessment and Renewal of Heating, Fuel Tanks, and Roofs for Banfield Hall and Hendrickson Building	Jun.	1,760.0	1,490.0	3,250.0	3,250.0	1,880.0
4	UAA Campus Safety, Security, and Code Compliance	Anc.	1,914.6		1,914.6	500.0	1,000.0
5	UAF Maggie Lind and Voc-Ed Building Restroom, Electrical, and Fire Alarm Renewal and Modernization	Bethel	1,035.4	755.2	1,790.6	1,777.2	1,300.0
6	UAS Ketchikan Campus Maritime Center Backup Heating Installation and Automation System Renewals for Paul and Ziegler Buildings, and Paul Building Roof Upgrade	Ketch.	510.0	310.0	820.0	820.0	510.0
7	UAA Social Sciences Building and Consortium Library Systems and Energy Performance Upgrades	Anc.	9,447.1		9,447.1	4,000.0	3,842.4
8	UAF Student Health, Safety, and Success: Student Health Center Renewal, Duckering, Reichardt, and Salisbury Teaching Lab Upgrades	Fai.	17,015.1	4,754.5	21,769.6	10,490.0	4,405.0
9	UAA Kodiak College Campus Mechanical and Roof Membrane Renewal	Kodiak	984.2		984.2	847.9	984.2
10	UASO Butrovich Building Seismic Improvements	Fai.	5,000.0	9,500.0	14,500.0	300.0	100.0
11	UAF CTC Aviation Hangar, Bunnell, Fine Arts, Signers' Hall, and Gruening Building Fire Code Compliance	Fai.	6,600.0	350.0	6,950.0	6,950.0	6,059.8
12	UAS Sitka Campus Backup Generator Installation and Window Renewal and Modernization	Sitka	710.0	700.0	1,410.0	820.0	510.0
13	UAA Student Union System and Energy Performance Upgrades	Anc.	2,195.3		2,195.3	2,000.0	
14	UAF Margaret Wood Building Energy Efficiency Upgrades	Dilling.	422.8		422.8	422.8	
15	UAA Prince William Sound College Campus Renewal and Modernization: Mechanical, Electrical, Fire Alarm Systems, and Accessibility	Valdez	668.2		668.2	666.2	668.2
16	UAA Creek Bridge Building Envelope Renewal	Anc.	1,783.7		1,783.7	1,500.0	
17	UAF Troth Yeddha' Campus Heat and Power Resiliency: Atkinson (Backup Utility) Infrastructure Renewal	Fai.	9,772.5	551.5	10,324.0	5,000.0	
18	UAA Kenai Peninsula College (Homer Campus) Roofs, Mechanical, and Electrical Systems Renewal	Homer	408.2		408.2	408.0	
19	UAA Professional Studies Building System and Energy Performance Upgrades	Anc.	4,296.9		4,296.9	2,370.0	

University of Alaska
Deferred Maintenance (DM) and Modernization Strategy
Working List of Projects
(in thousands of \$)

MAU	Project Name	City	DM	R&R	Total	FY26	FY26
						\$60.0M	\$35.0M
20	UAF Fairbanks Farm Manager House and Copper Lane House Building Removal (DM Backlog Reduction)	Fai.	475.9	37.9	513.7	500.0	
21	UAA Mat-Su College Campus Water Heater, Mechanical Fire Suppression, and Air Handling Unit System Upgrades	Mat-Su	1,424.6		1,424.6	1,211.3	
22	UAA Kenai Peninsula College (Kenai Campus) Roofs and Electrical, Security, and Air Handling Unit System Upgrades and Renewals	Soldot.	1,166.6		1,166.6	1,166.6	805.2
			82,162.7	20,480.7	102,643.5	60,000.0	35,000.0
UAA			27,412.2	0.0	27,412.2	17,670.0	10,300.0
UAF			46,770.5	8,480.7	55,251.3	37,140.0	21,700.0
UAS			2,980.0	2,500.0	5,480.0	4,890.0	2,900.0
UASO			5,000.0	9,500.0	14,500.0	300.0	100.0
			82,162.7	20,480.7	102,643.5	60,000.0	35,000.0

Approved as Amendment 108/24

UAA Residential Campus Building Envelope and System Renewal

Total Amount: \$3,122.7

This project seeks investment in the building envelopes and supporting infrastructure of critical residential facilities, including the **Main Apartment Complex**, **Templewood Apartments**, and three residential halls. The objective is to address pressing deferred maintenance issues and ensure the long-term sustainability of campus housing.

The targeted buildings, primarily constructed in the 1980s, have accumulated a deferred maintenance backlog of approximately \$90 million. This backlog necessitates more frequent and reactive responses to maintain the safe occupancy of facilities. In the past year alone, the University has encountered several emerging issues, such as wood rot, remediation of siding, ice damming on roofs, identification of distressed roof truss systems, and plumbing system failures.

The requested investments aim to:

- **Enhance Safety:** Addressing structural deficiencies and system failures to ensure the safety and well-being of residents.
- **Improve Energy Efficiency:** Upgrading building envelopes and systems to reduce energy consumption and operational costs, contributing to sustainability goals.
- **Reduce Operating Costs:** Implementing proactive maintenance and infrastructure upgrades to decrease the frequency of emergency repairs and associated costs.
- **Enhance Resident Experience:** Modern, well-maintained facilities will improve the living experience for residents, fostering a positive campus environment.

Investing in building envelopes and supporting infrastructure of residential facilities is essential to maintaining a safe, efficient, and sustainable campus environment. Prioritizing these critical improvements will safeguard resident well-being, enhance the overall residential experience, and ensure the long-term viability of campus housing.

UAF Critical Roof and Envelope Renewal: Cutler Housing, UA Museum of the North, University Park Building

Total Amount: \$13,480.5

Targeted renewal of building systems allows UAF to preserve assets well beyond the end of their typical life cycles. Maintaining dry and warm facilities through small investments in roofs leverages a building's capacity to serve the mission longer and reduces overall capital replacement and operation costs.

- The **Cutler Housing Complex** is the largest and most popular apartment-style housing offered on the Troth Yeddha' Campus. Over multiple years, the roof systems have failed and relied on patches to continue to allow occupancy. Three phases have been completed since 2016 leaving three more blocks to complete. Recent inspections on the 100-block of apartments have revealed the roof has failed beyond the point of patching and substantial structural components have substantial rot. Secondary effects of the ongoing leaks include crumbling ceilings and mold in the upper-level restrooms. The project will remove the failed roofs and abate the rotted structure then rebuild the systems with additional insulation and vapor barrier and a roof that has a long warranty.
- The **UA Museum of the North** is a leader in the tourism industry in Alaska. It conducts high-level educational outreach to all K-12 schools in the interior and plays a unique role nationally with more than 2.5 million artifacts and specimens representing millions of years of biological diversity and thousands of years of cultural traditions in the North. Unfortunately, a section of the building's roof that protects both exhibits and collections experienced a roof membrane failure in 2022. Despite attempts to patch the leaks, an investigation revealed that the entire area had a rotten substrate due to an improperly installed vapor barrier. As a result, the roof membrane and substrate need to be replaced.
- The south wing of the **University Park building** is set to be transformed into a childcare center for UAF staff, students, and faculty. This project is being made possible through a federal grant. The grant will enable UAF to enhance childcare options in Fairbanks, where choices are currently limited in the community, posing a barrier to workforce and student participation. The new center will accommodate around 175 children, ranging in age from 6 weeks to 6 years, and will also offer after-school care for children up to the 3rd grade. The grant has also made provisions to address major deferred maintenance items, except for the building envelope. It is crucial to replace the 60-year-old roof membrane to safeguard the investment being made in the childcare center.

UAS Juneau Campus Water Main Assessment and Renewal of Heating, Fuel Tanks, and Roofs for Banfield Hall and Hendrickson Building

Total Amount: \$3,250.0

The Juneau Campus encompasses 450,000 square feet of space, under 31 separate buildings, with a total value of \$220 million. UAS should be investing \$6-12 million each year for the maintenance and renovation of these buildings to keep them adequately maintained and repaired. When UAS is not able to provide adequate funding to repair or replace building systems at the end of their design life, these systems are added to the universities DM/RR list. This project will address some of the most pressing needs on the Juneau Campus including:

The 16-inch water main that supplies Juneau main campus is almost 49 years old and has failed in two locations. It is unknown if there are other sections of this water main that are reaching the failure point. This project will investigate the condition of this water main, estimate the risk of another failure, make recommendations for improvements, and construct these improvements.

UAS has several buildings with LG Air Source Heat Pumps (ASHP) to heat the building. Unfortunately, they have not performed as intended with lower heat recovery and frequent breakdowns. Getting someone to repair the system has been expensive and difficult, resulting in the system being down for months. This project will replace the ASHP with a system that is more reliable. This project supports UA's priority of reducing base fixed costs by increasing the efficiency of the heating system and lowering annual energy costs.

Housing Apartment Unit fuel tanks are 35 years old and have reached the end of their useful life and need to be replaced before they start leaking. This project will replace the nine existing fuel tanks with new double-walled tanks with leak-detection monitoring systems. Phase 1 will replace five tanks and Phase 2 will replace the remaining four tanks.

The roofing system on **Banfield Hall** is 23 years old and the warranty has expired. The roofing system on the **Hendrickson** building has exceeded its useful life span and is no longer covered under a warranty. The mansards on the Hendrickson building are rotting and need to be replaced.

UAA Campus Safety, Security, and Code Compliance

Total Amount: \$1,914.6

The Anchorage Campus, due to its unique geographical and community context, faces distinctive challenges in ensuring community safety and effective law enforcement. These challenges stem from the diverse and complex nature of its neighboring institutions, which include:

- Three medical facilities, encompassing psychiatric and drug rehabilitation treatment, as well as immediate crisis response services.
- The largest juvenile justice treatment center in Alaska.
- A private university.
- Federal government facilities.
- Several K-12 educational institutions.

Given the proximity of these peripheral institutions, along with the varied populations they attract, the University Medical District demands robust security resources and specialized response tactics. To address these needs, the University of Alaska Anchorage (UAA) is undertaking significant security enhancements aimed at bolstering campus safety and ensuring compliance with the Clery Act.

The primary objective of this security investment is to maintain a safe campus environment, thereby reducing risks for students, staff, and the surrounding community. The project focuses on several key areas:

- **Expansion of Access Control Systems:** Building on the recently upgraded access control system, this enhancement will ensure that only authorized individuals have entry to specific campus areas, thereby reducing unauthorized access and potential security breaches.
- **Key Control Management System:** Improving key control management will streamline the process of issuing, tracking, and securing keys, thereby enhancing campus-wide security and accountability.

FY26 Deferred Maintenance (DM) and Modernization Strategy Descriptions

- **Emergency Communication Platform Upgrades:** Upgrading the emergency communication platforms will ensure timely and effective communication during emergencies, enabling swift responses and coordination among campus security personnel and local law enforcement agencies.
- **Wayfinding Improvements:** Enhancing wayfinding will not only aid in navigation but also improve the overall security by ensuring that students, staff, and visitors can easily locate, and access safe zones and emergency exits.

This funding request places a particular emphasis on the Anchorage Campus learning hub, which includes both the **UAA/APU Consortium Library** and the **Social Sciences Building**. These key facilities serve as critical learning environments, and their security is paramount to fostering a safe and conducive educational atmosphere.

UAF Maggie Lind and Voc-Ed Building Restroom, Electrical, and Fire Alarm Renewal and Modernization **Total Amount: \$1,790.6**

The UAF Kuskokwim Campus is a regional education hub for southwest Alaska, offering certificates, credentials, and undergraduate and graduate degrees while serving the local community through outreach programs. The average building age is over 35 years old and many systems, including fire alarms, electrical panels, and lighting, have reached the end of their useful life. Further, the campus has a high operating cost, especially for electrical power. A series of renewal projects will allow the campus to operate more safely and efficiently thus keeping funding focused on program delivery. Throughout all of the campus buildings, interior and exterior lighting will be fully converted to low-energy LED. Additionally, several buildings need new windows and doors as part of thermal envelope upgrades. HVAC systems in the main academic building and the cultural center will be modified with better control systems for better efficiency.

In the **Maggie Lind/Vocation Education Building**, several renewal projects will correct building code deficiencies and replace electrical systems to reduce energy use.

- The fire alarm control panels and detectors have reached their end of life and the manufacturer is no longer supporting them. Maintaining alarm systems in full operation is required for building occupancy and mission delivery.
- The main electrical distribution center will be replaced in a new location to eliminate a working clearance issue.
- The main restroom will be renewed, with modern finishes and upgrades for ADA accessibility.

UAS Ketchikan Campus Maritime Center Backup Heating Installation and Automation System Renewals for Paul and Ziegler Buildings, and Paul Building Roof Upgrade **Total Amount: \$820.0**

The Ketchikan Campus encompasses 50,000 square feet of space, under three separate buildings, with a total value of \$33 million. UAS should be investing \$1-2 million each year for the maintenance and renovation of these buildings to keep them adequately maintained and repaired. When UAS is not able to provide adequate funding to repair or replace building systems at the end of their design life, these systems are added to the universities DM/RR list. This project will address some of the most pressing needs on the Ketchikan Campus including:

The **Paul Building** has a mansard-type roof system that was constructed using a cement-bonded siding material. This material has proven not to be able to withstand the frequent precipitation experienced in Ketchikan and is now falling apart. The project will replace the siding/roofing material with a Bermuda metal material that is more resistant to constant rain. This project had to be cut into two phases because bids came in double the engineer's estimate and UAS could only fund half of the project. The first phase was completed using FY23 DM/RR funding provided by Alaska.

The **Maritime Center** currently has no backup heating system. This work would install an electric boiler as a backup to the existing oil boiler. This will reduce the risk of having to shut down the campus during the failure of the main boiler. It will also reduce the monthly utility cost by providing building managers with the option of switching between electricity and oil depending on which is the least expensive that month.

The Building Automation System (BAS) for the **Paul and Ziegler buildings** is an old version that the manufacturer no longer services. This project will upgrade the BAS to the latest version which will require an upgrade to the BAS server and some of the BAS sensors. This new system will also help improve the operating efficiency of the heating and ventilation systems.

UAA Social Sciences Building and Consortium Library Systems and Energy Performance Upgrades

Total Amount: \$9,447.1

The **Social Sciences Building** (SSB), a cornerstone facility of UAA, was constructed in the 1970s. Over the decades, it has evolved to support various academic and administrative functions critical to the institution. Currently, the building has a backlog of \$26 million in necessary upgrades and repairs, highlighting the urgency for targeted investments to maintain and enhance its functionality. The SSB plays a pivotal role in the University's mission by serving as an Academic Learning Hub in collaboration with the **Consortium Library**. This partnership fosters a conducive learning environment, bridging resources and academic support for students and faculty alike.

Within its walls, the SSB houses the College of Arts (CAS), which is vital to the first and second-year student experience. CAS provides a foundational academic experience, enriching students' educational journeys through diverse programs and courses. Additionally, the SSB is home to UAA IT, which includes the main server room—a critical piece of infrastructure ensuring the smooth operation of the University's technological systems. The server room's reliability is paramount for maintaining continuous access to digital resources and services for students, faculty, and staff.

To address the building's aging infrastructure, several components require urgent attention:

- **Lighting Systems:** Modernizing the lighting systems will not only enhance energy efficiency but also improve the overall user experience within the building.
- **Hydronic Heating Repairs:** Repairing the hydronic heating system is essential for maintaining a comfortable environment, particularly during colder months.
- **Replacement of Pneumatic Controls with Direct Digital Controls (DDC):** Upgrading to DDC will significantly improve the building's operational efficiency, offering better control and monitoring of various systems.

These targeted investments are designed to enhance energy efficiency, improve user comfort, and ensure the reliability of essential services for the University's community. By addressing these critical components, the SSB will continue to serve as a vital resource, supporting the academic and technological needs of the institution.

UAF Student Health, Safety, and Success: Student Health Center Renewal, Duckering, Reichardt, and Salisbury Teaching Lab Upgrades

Total Amount: \$21,769.6

UAF is committed to providing a safe campus for Nanook Students. UAF works hard to maintain healthy facilities, reduce risk to building occupants, and ensure that students have the safest experience possible. However, the aging campus requires significant upgrades to eliminate dangers, reduce risk, and prevent injury. Many facilities were constructed before code adoption in the State of Alaska and do not meet current requirements for ventilation, disease mitigation, emergency egress, ADA/Title IX, and fire protection. Some buildings have system failures that lead to swift disruptions and displacements of programs within buildings, affecting students' class schedules and degree programs.

Ensuring student welfare requires ongoing efforts to modify and upgrade every component of the campus. This includes access and egress points, elevators, restrooms, fire alarms, class laboratory ventilation, and security infrastructure. Projects in this category directly impact students by reducing current risks, repairing failed systems, and enhancing the safety of the on-campus environment. This helps eliminate obstacles to learning and increases the reliability of program delivery.

- **Student Health and Counseling Center Renewal:** The UAF Student Health and Counseling Center provides all UAF students with medical care (up to emergent care) and counseling. The center is an on-campus first-care resource, offering low-cost access to physicians and caregivers. The clinic has not been renovated since it was built in the early 1970s and during the recent pandemic, systemic issues with patient separation, treatment room access, and caregiver protection quickly caused operational issues. UAF completed an initial phase of construction utilizing federal COVID relief funding to address acute issues with patient bifurcation. The next phase of construction will further update the clinic to modern healthcare standards, including compliance regulations, by installing better ventilation, cleanable finishes, and improved lighting. A restroom in the clinic will also be renovated for ADA access.

- **Duckering Materials Lab Code Corrections:** An inadequate teaching lab in Duckering, utilized for civil and geological engineering instruction, is too small to accommodate the required occupant load and does not have adequate ventilation. The lab is also not ADA-accessible and providing reasonable accommodations is not easily achieved. The only dust collector in the room is not adequately sized to provide respiratory protection and the noise levels require substantial ear protection. To resolve the issues, the project will connect two teaching labs and bifurcate soil testing from concrete mixing, provide proper lab supply and exhaust air, and move the dust collector and soil sieve machines to a separate room for noise abatement.
- **Reichardt Lab Ventilation Air Controller Replacement:** Lab ventilation is required to maintain a specific amount of exhaust air to protect lab users from hazardous chemicals. Many of the lab controllers, built by Phoenix Controls, have reached the end of their useful life and are no longer supported by Phoenix, and must be replaced to keep the air in labs free of hazardous fumes. The majority of these failing valves affect classroom laboratories where students are actively utilizing chemicals. Without the air valve, the required supply and exhaust air cannot be exchanged in the spaces and the teaching labs will be closed, losing the capacity to teach critical science programs.
- **Salisbury Theater ADA Upgrade, Code Corrections, and Seismic Bracing:** Salisbury Theater is the only facility in the interior of Alaska capable of accommodating UAF's multitude of academic degrees in arts, music, and theater. The theater supports UAF's emerging journalism and video production program which connects with many other programs such as the One Health Research initiative. During a recent fire inspection, multiple deficiencies were noted, and the facility was closed by the local fire marshal. The most egregious building code deficiencies at the stage level were corrected during the summer of 2022. However, larger items that require substantial budget and time were developed into a long-range code corrections plan. The fire marshal provided conditional approval to reopen the theater based on the balance of code corrections being completed within two years. The renewal work includes addressing seismic restraint bracing, ADA compliance at the stage, and fire code separation of the stage from the storage area.
- **Campus-Wide Restroom Renovations:** Renovate outdated restrooms campus-wide to include new fixtures, finishes, partitions, lighting, etc. The work will include major plumbing code corrections, ADA compliance, and asbestos abatement. The goal is to renovate a minimum of 4-5 restroom suites per year. Priorities are Bunnell, Gruening, Irving 1, Elvey, and Duckering buildings.
- **O'Neill Elevator Modernization:** Manufactured and installed in 1971 by U.S. Elevator, this elevator has never been modernized and US Elevator is no longer in business. The existing equipment is a motor/generator supplying direct current (DC) power to a motor-driven machine with an antiquated relay logic controller. Modernization and upgrades will include a new machine and 3-phase alternating current (AC) motor, a new digital variable-frequency drive (VFD) controller, new door operators for the car and lobbies, a new governor, new ropes, car finishes, lights, and a control panel.
- **Campus-Wide Pedestrian Pathways:** Replace broken, non-compliant stairs, sidewalks, and curbs/gutters to reduce slips and trips and improve pedestrian mobility. Add lighting to pathways for safety and security. The work includes small areas around campus including the campus core area, focused on the **Wood Center** bus stop on Yukon Drive and the stairs leading from the upper residence halls to Yukon Drive.
- **Fairbanks Campus-Wide Doors and Physical Campus Security Renewal:** Many of the exterior and emergency exit doors do not meet current fire codes or ADA regulations. Exterior doors have older hardware that can present a security challenge during active intruder events. These doors also have significant accumulated maintenance and require increasing repairs to maintain operability. Over three years, UAF developed and deployed a multi-phased plan to complete a door hardware inventory, design and install a new interior keying system, establish a robust key issue policy, and begin replacing doors and door hardware. As the focus shifts to exterior doors, electronic locks are installed on these doors to allow for fast lock-down of a building whether at the end of the normal business day or during a violent intruder event. The next phase of renewal will replace exterior doors and/or hardware at facilities not completed previously, including the Elvey Building and the Fine Arts Great Hall.

UAA Kodiak College Campus Mechanical and Roof Membrane Renewal

Total Amount: \$984.2

Kodiak College (KOC), built in the 1970s and 1980s, is facing a significant backlog of nearly \$1.7 million in maintenance and upgrades. The pressing need to address these challenges is paramount to ensure the continued functionality and safety of the institution's environment. The decades-old buildings of Kodiak College reflect the architectural and construction standards of their time. Over the years, they have not kept pace with the evolving standards of modern construction, leading to a myriad of issues that demand immediate attention.

Current building systems, including electrical, plumbing, and HVAC, are outdated and inefficient. These systems not only fail to meet contemporary efficiency standards but also pose potential safety risks due to their age and condition. The degradation of these systems has reached a point where their renewal is essential to extend the buildings' useful life and to curtail rising operational costs.

Among the various components requiring attention, the roof of the **Adult Learning Center** has been identified as a top priority. The roof, subjected to decades of wear and tear, is now at a stage where it poses a direct threat to the integrity of the building and the safety of its occupants. Leaks, structural weaknesses, and insulation issues are just a few of the problems plaguing the current roof.

UASO Butrovich Building Seismic Improvements

Total Amount: \$14,500.0

The Butrovich facility is a critical infrastructure facility for the University of Alaska, the state of Alaska, the west coast of British Columbia, and the U.S. In addition to housing UA's administrative offices, many state and federal agencies also rely on the data flowing through the Butrovich data center for critical monitoring of earthquakes, tsunamis, volcanic eruptions and ash warnings, and wildfires. The State of Alaska Division of Homeland Security and Emergency Management's mitigation plan explicitly relies on the data coming from many of these agencies.

In 2013, while considering upgrades to Butrovich's data center, UA first learned of the potential seismic issues from a consulting engineering firm. After extensive formal engineer analysis predicated on numerous lessons learned from previous earthquakes, many structural and non-structural seismic deficiencies were identified with the steel-moment frame (SMF). The engineering analysis indicates that the SMF facility is vulnerable to damage and loss of operational functionality even from nearby modest seismic events. In addition, the data center's 12,000-square-foot floor also has no seismic bracing.

Engineering analysis has shown that Butrovich's life-safety profile and operational readiness can be highly improved with a seismic retrofit. There are three significant "buckets" of work to be accomplished - structural, non-structural, and the data center floor. With these buckets addressed, the risk of the building or a floor collapsing is greatly reduced. The current cost estimate for this project is \$14.5 million.

UAF CTC Aviation Hangar, Bunnell, Fine Arts, Signers' Hall, and Gruening Building Fire Code Compliance

Total Amount: \$6,950.0

UAF's code compliance projects focus on updating building features to protect occupants and reduce risk for students, staff, and faculty. As nearly half of the UAF facilities were constructed before building code enforcement, significant work is needed to modernize codes and improve compliance and safety on campus. ADA accessibility is a key aspect of building codes, and as a public institution, UAF is required to provide accommodations for everyone, regardless of physical capacity.

These projects involve updating ventilation to ensure sufficient fresh air supply to occupied rooms, replacing fire alarm systems, correcting emergency egress paths, and removing asbestos-containing materials.

- **CTC Aviation Maintenance Training Program Welding and Paint Booth Replacement:** Current painting and welding components of the maintenance program are performed in non-code compliant space in the hangar and in UAF space at the Hutchinson High School building. Neither space is set up to teach the 25-student cohort, increasing the number of lab sessions and travel time for students. A design study report concluded a paint and welding booth could be constructed at the aviation hangar facility in a space left vacant during the original tenant improvements in 2012. The space will be built to current codes and sized to allow up to half of the cohort to have

concurrent lab times.

- **Bunnell Ground Floor Code Corrections:** The Bunnell Building, which is 60 years old, is widely used for academic programs, classrooms, and UAF Nanook Technology Services. The ground-level corridor is heavily traveled, but the finishes are showing their age, and there are code deficiencies that prevent UAF from updating the space. In the upcoming code corrections project, the work will include replacing corridor doors, ceilings, and lights, upgrading electric and IT systems as needed, removing asbestos, and bringing corridor walls into compliance with fire separation codes. The project will also update the exit pathways of the two north stair towers to lead directly outside; currently, the stairs exit to a non-compliant corridor.
- **Fine Arts/Library, Signers' Hall, and Gruening Fire Alarm Replacement for End of Life:** Approximately 23 fire alarm panels on the Troth Yeddha' Campus in Fairbanks have reached their end of life, and the manufacturer is no longer supporting them. Panel failures are causing buildings to be closed or post a fire watch. A comprehensive plan has been created to strategically replace panels, reserving those parts for buildings that still have older systems. The next facilities to replace are Gruening, Fine Art/Rasmuson Library, and Signers' Hall.

UAS Sitka Campus Backup Generator Installation and Window Renewal and Modernization

Total Amount: \$1,410.0

The Sitka Campus encompass 68,000 square feet of space under one building with a total value of \$30 million. UAS should be investing \$1-2 million each year for the maintenance and renovation of these buildings to keep them adequately maintained and repaired. When UAS is not able to provide adequate funding to repair or replace building systems at the end of their design life, these systems are added to the universities DM/RR list. This project will address some of the most pressing needs on the Sitka Campus including:

The Sitka Campus does not currently have a backup generator for power failure. The campus houses important research materials in deep freeze freezers; a prolonged power failure could cause irreplaceable damage to research materials. Student instruction and employee work cannot proceed during a power outage. During the COVID-19 pandemic, UAS relocated their -80 Degree freezer to the Sitka fire hall because they had backup power and then it could be used for storage services for the Pfizer Vaccine. This project will install an emergency generator that can accommodate campus operations during a power outage, thus protecting the research materials improving the resiliency of the UAS Sitka Campus and improving support and services during an emergency.

Windows are aging and do not provide adequate insulating capacity. Windows need to be replaced to decrease building heating costs.

UAA Student Union System and Energy Performance Upgrades

Total Amount: \$2,195.3

The **Student Union (SU)**, constructed in the 1970s, stands as the heart of the Anchorage Campus, serving as a pivotal space for gathering, dining, and entertainment. This iconic structure is not only a hub for student life but also a primary interface between academics, student activities, and visitors to the campus. Despite its central role, the SU currently faces a significant backlog of \$18 million, highlighting the urgent need for essential upgrades to maintain its functionality and appeal.

The focus of this renovation project is twofold: the renewal of the central air handling unit systems and the refurbishment of the under-slab piping infrastructure, both of which are showing signs of failure. These components are critical to the building's operation and require immediate attention to ensure the continued comfort and safety of all users.

The central air handling unit systems are integral to maintaining a conducive indoor environment. These systems regulate temperature, humidity, and air quality, ensuring that the SU remains a comfortable space for students, faculty, and visitors. Renewing these systems will involve upgrading to more efficient and sustainable technologies, which will not only enhance functionality but also reduce energy consumption and operational costs.

The under-slab piping is another critical area of focus. Over the decades, the piping infrastructure has deteriorated, leading to inefficiencies and potential safety hazards. Replacing and upgrading these pipes will ensure a reliable and safe water supply, essential for the building's operations, including dining services and sanitation facilities.

UAF Margaret Wood Building Energy Efficiency Upgrades

Total Amount: \$422.8

To reduce operating costs at the Bristol Bay Campus in Dillingham, an energy efficiency project will focus on mechanical and electrical upgrades, addressing high energy use equipment and aging infrastructure. The majority of work will take place in the **Margaret Wood** building where interior and exterior conversion to LED lighting and better heating and ventilation controls will reduce energy use.

UAA Prince William Sound College Campus Renewal and Modernization: Mechanical, Electrical, Fire Alarm Systems, and Accessibility

Total Amount: \$668.2

The primary facilities at Prince William Sounds College (PWSC) were constructed in the 1970s and are now facing an immediate backlog of \$7 million in necessary upgrades. To address these needs, this project seeks targeted investments aimed at modernizing and improving the college's infrastructure. Investments such as:

- **Mechanical Systems:** Upgrading the heating, ventilation, and air conditioning (HVAC) systems to ensure reliable and efficient climate control throughout the building.
- **Electrical Systems:** Modernizing the electrical infrastructure to support contemporary technology requirements and improve energy efficiency.
- **Fire Alarm Systems:** Implementing state-of-the-art fire detection and alarm systems to enhance safety and compliance with current standards.
- **Campus Interiors:** Renovating interior spaces to create a more welcoming and functional environment for students, staff, and visitors.
- **Campus Accessibility:** Making necessary modifications to ensure that all facilities are fully accessible to individuals with disabilities, in compliance with the Americans with Disabilities Act (ADA).

This project will not only enhance the overall student experience but also increase the campus' energy efficiency and sustainability.

UAA Creek Bridge Building Envelope Renewal

Total Amount: \$1,783.7

The **Creek Bridge** is a critical facility that ensures equitable, year-round, interior access through an enclosed walkway spanning Chanshtnu (Chester) Creek. This vital connection links the east campus to the west campus, facilitating smooth and consistent transit for students, faculty, and staff.

This renovation project aims to comprehensively replace the roof and window systems of the **Creek Bridge**. The current infrastructure has demonstrated significant deficiencies that necessitate immediate attention:

- **Consistent Leaks:** The existing roof system suffers from persistent leaks in multiple locations, posing a continuous maintenance challenge.
- **Beyond Useful Life:** The roof has exceeded its intended lifespan, contributing to its deteriorated condition.
- **Single Pane Windows:** The current windows are single pane, outdated, and do not meet modern energy efficiency standards.
- **Energy Inefficiency:** These windows are incredibly inefficient, leading to higher energy consumption and costs.
- **Non-compliance with Standards:** The windows are misaligned with building standards, further exacerbating their inefficacy.

The proposed project will involve:

- **Demolition:** Complete removal of the existing roof and window systems.
- **Parapet Cap Height Increase:** Elevation of parapet caps to enhance structural integrity and protection.
- **Structural Upgrades:** Enhancement of structural components to ensure seismic restraint and stability.
- **Roof Decking Replacement:** Installation of new roof decking as necessary to support the new roofing system.
- **New Roofing System:** Implementation of a modern, durable, and energy-efficient roofing system.
- **New Windows Installation:** Fitting of new windows that improve the building envelope, enhance energy efficiency, and comply with current building standards.

The **Creek Bridge** renovation project is a crucial investment in the infrastructure of the institution. Addressing the existing issues with the roof and window systems will ensure a safer, more efficient, and cost-effective facility that will serve the campus community for years to come.

UAF Troth Yeddha' Campus Heat and Power Resiliency: Atkinson (Backup Utility) Infrastructure Renewal
Total Amount: \$10,324.0

UAF is currently facing the critical challenge of ensuring an uninterrupted supply of power and heat, especially during harsh winter conditions. With no external steam sources available, it is essential to have reliable power for operating the cogeneration steam plant auxiliary boilers in the **Atkinson Building**. The focus of the infrastructure renewal project is to maintain adequate heat and power, particularly given the aging equipment in the Atkinson, Central Chiller, and Diesel Engine Emergency Generator Buildings. As part of the project, valves and steam piping between the high-pressure steam boilers will be replaced to allow each to operate independently during planned or unplanned outages. Additionally, backup power systems critical to operating the entire UAF utility system are currently either aged out or no longer serviceable. An older emergency generator will be updated and renovated for more efficient and reliable model to ensure smooth operation during unplanned outages. The accompanying battery backup will also be replaced to ensure seamless transitions. The central cooling equipment, which is currently barely operational, including a cooling tower and pump, will also be replaced.

UAA Kenai Peninsula College (Homer Campus) Roofs, Mechanical, and Electrical Systems Renewal
Total Amount: \$408.2

The Kachemak Bay Campus (KBC), part of the University of Alaska Anchorage, stands as a beacon of learning and community engagement in Homer, Alaska. A vital part of this educational institution's continued success hinges on maintaining and upgrading its facilities to ensure the safety, functionality, and comfort of its students and staff. Currently, the campus faces a backlog of \$550 thousand in deferred maintenance and necessary upgrades. This ongoing project will address these critical needs by investing in roofs, mechanical systems, fire protection, and electrical systems.

Pioneer Hall, constructed in the 1970s and expanded in 2005, serves as one of the primary facilities on the Kachemak Bay Campus. Over the decades, this building has seen countless students walk through its doors, each contributing to the rich history of the campus. However, the passage of time has taken its toll on the infrastructure. The roof, mechanical, fire protection, and electrical systems are all in need of significant investment to ensure the building remains a safe and effective learning environment.

Bayview Hall, a more recent addition to the campus, was constructed in 2010. Although newer, it is not exempt from the necessity of ongoing maintenance and upgrades. Like Pioneer Hall, Bayview Hall requires attention to its essential systems to maintain its operational integrity and ensure it continues to serve the campus community effectively.

This specific request will target a major priority for the Homer Campus which includes the renewal and replacement of the existing sprinkler system. The current system, while still functional, no longer has the correct parts available. In the event of a failure, the campus would face a mandatory unplanned system upgrade, which could be both disruptive and costly. Proactively addressing this issue by upgrading the fire protection systems now will ensure the safety of all campus occupants and avoid potential emergency situations.

Ensuring that all systems are up to code and function correctly is paramount for the safety of students, faculty, and staff. Upgrading fire protection and electrical systems addresses critical safety concerns and ensures compliance with current regulations and standards.

UAA Professional Studies Building System and Energy Performance Upgrades
Total Amount: \$4,296.9

The **Professional Studies Building (PSB)**, originally constructed in the 1970s, stands as a cornerstone in the University's commitment to health workforce development. Despite its age, the PSB remains a mission-critical facility, essential for the education and training of future healthcare professionals. However, the building currently faces a substantial backlog of \$31 million in deferred maintenance, necessitating urgent and comprehensive renovations.

FY26 Deferred Maintenance (DM) and Modernization Strategy Descriptions

The scope of the renovation project for the PSB is multi-faceted, targeting both critical infrastructure improvements and energy-efficient upgrades. The dual objectives are to renew the aging asset and to achieve a significant reduction in operating costs. The following components are central to the renovation plan:

- **Lighting Systems:** The existing lighting systems will be upgraded to modern, energy-efficient alternatives. This will not only enhance the quality of lighting within the building but also contribute to significant energy savings.
- **Air Handling Unit Replacements:** New air handling units (AHUs) will be installed to replace the old ones. The upgrade aims to improve air quality, enhance climate control, and increase the overall energy efficiency of the building.
- **Direct Digital Controls (DDC):** One of the key technological advancements in this renovation is the replacement of the pneumatic controls with direct digital controls (DDC). The DDC systems will provide more precise control over the building's various systems, leading to optimized performance and reduced energy usage.

The University's proactive approach to renovating the PSB underscores its dedication to maintaining high standards in educational facilities. These efforts not only address immediate infrastructural needs but also set the stage for sustainable, long-term growth and excellence in health workforce development.

UAF Fairbanks Farm Manager House and Copper Lane House Building Removal (DM Backlog Reduction)

Total Amount: \$513.7

Reducing the DM&R backlog and removing assets no longer in-use streamlines UAF's facility inventory, allowing more operating and maintenance funding to be focused on highly utilized buildings. To make way for a future agricultural and extension teaching lab, several buildings at the **Fairbanks Experimental Farm** will be removed. The farm manager's house, which was vacated due to structural and electrical deficiencies, will be the first of four buildings taken down in an effort to revitalize the farm facilities. Within the heart of campus, the last of four houses on Copper Lane will be removed.

UAA Mat-Su College Campus Water Heater, Mechanical Fire Suppression, and Air Handling Unit System Upgrades

Total Amount: \$1,424.6

The majority of the Matanuska Susitna College (MSC) facilities were constructed in the 70s, 80s, and 90s. Given their age, many of the building systems and elements are now beyond their useful life. Despite the campus being well cared for, it currently faces an immediate backlog of \$3.2 million in necessary maintenance and upgrades.

This project aims to address the most critical needs of the MSC Campus by investing in mechanical, electrical, and interior systems. These upgrades are essential to ensure the continued safety, functionality, and comfort of the college's facilities.

- **Mechanical Systems:** One of the primary focuses of this project will be the replacement of several air handling units that are original to the campus. These units are crucial for maintaining proper ventilation and air quality within the buildings. Modernizing these systems will not only improve energy efficiency but also enhance the overall indoor environment for students, faculty, and staff.
- **Electrical Systems:** Upgrades to the electrical infrastructure will be another key component of this project. This includes the replacement of outdated wiring, panels, and other electrical components that are critical for the safe and efficient operation of the campus. Improved electrical systems will support the increased demand for power due to the growing use of technology in education and administrative processes.
- **Interior Systems:** The interior systems of the campus buildings will also be addressed, including lighting, flooring, ceilings, and other elements that impact the usability and aesthetic appeal of the college facilities. Upgrading these systems will create a more welcoming and functional environment for all campus users.

Investing in the modernization of the MSC facilities is essential to address the immediate backlog of \$3.2 million and ensure the long-term sustainability of the campus. By focusing on critical mechanical, electrical, and interior systems, this project will enhance the safety, functionality, and overall quality of the college's infrastructure. These improvements will support MSC's mission to provide a high-quality education and a positive campus experience for all members of its community.

UAA Kenai Peninsula College (Kenai Campus) Roofs and Electrical, Security, and Air Handling Unit System Upgrades and Renewals

Total Amount: \$1,166.6

The Kenai River Campus (KPC), located in Soldotna, is a cornerstone of educational excellence, housing four distinct buildings constructed between 1971 and 1983. These structures have served the community well over the decades, but the passage of time has led to a pressing need for upgrades and investments. At present, the campus is faced with an immediate maintenance backlog amounting to \$1.5 million.

Each of the four buildings on the KPC Campus exhibits unique qualities, stemming from the varied construction methods, materials, and systems employed during their respective construction periods. This diversity in building quality presents both challenges and opportunities as the improvement project begins.

The primary objective of this project is to address critical infrastructure needs by investing in the following key areas:

- **Roofs:** Ensuring the integrity and longevity of the buildings by repairing or replacing aging roof structures.
- **Mechanical Systems:** Upgrading heating, ventilation, and air conditioning (HVAC) systems to improve efficiency and occupant comfort.
- **Electrical Systems:** Modernizing electrical infrastructure to enhance safety and support the increasing technological demands of the campus.

By focusing on these essential components, the project aims to extend the lifespan of the campus buildings and provide a safe, comfortable, and conducive learning environment for students, faculty, and staff.

Approved as Amended 11/05/24

**Capital Budget
References**

Approved as Amended 11/08/24

University of Alaska FY26 Facilities Maintenance Budget Distribution

Location	Facility Inventory Fall 2023 ⁽¹⁾ Gordian Replacement Values						Current DM/R&R Backlog (\$1,000)	Calculated Index ⁽²⁾			Operating Budget				Request	
	# of Bldgs	Avg. Age (years)	Gross Area (sq. feet)	Headct. Emp. + Student	Replace't Value (RV) (\$1,000)	Wt Age- Value Index		Density Index	Dist. %	Budget Goal	% of RV	FY25 Base Budget	Shortfall (Base- Goal)	Oper.	Capital	
																Budget
Anchorage Campus	<i>Anc.</i>	67	31.7	2,769,842	10,884	1,941,939.7	401,152.8	48.6	0.10	22.3%	13,400.0	0.7%	9,046.8	-4,353.2	1,342.5	13,370.0
UAA Community Campuses		31	30.4	467,018	4,626	360,380.9	27,214.1	10.7	0.25	7.1%	4,260.0	1.2%	1,978.9	-2,281.1	427.4	4,300.0
<i>Kenai Peninsula College</i>	<i>Sold. & Hom.</i>	11	31.1	184,907	2,009	150,986.2	2,215.5	4.5	0.07	2.6%						
<i>Kodiak College</i>	<i>Kodiak</i>	5	46.8	56,693	664	34,790.4	1,702.2	1.7	0.07	1.4%						
<i>Matanuska-Susitna College</i>	<i>Palmer</i>	9	31.8	157,379	1,198	119,258.5	16,879.5	3.6	0.05	2.0%						
<i>Prince Wm. Sound College</i>	<i>Valdez</i>	6	14.5	68,039	755	55,345.8	6,416.9	1.0	0.07	1.1%						
UAA Total		98	31.4	3,236,860	15,510	2,302,320.6	428,366.9	59.3	0.35	29.4%	17,660.0	0.8%	11,025.7	-6,634.3	1,769.9	17,670.0
Troth Yedtha' Campus/CTC	<i>Fbks.</i>	232	40.5	3,941,704	10,170	3,905,690.7	951,422.4	130.8	0.18	58.3%	35,010.0	0.9%	15,591.9	-19,418.1	3,509.9	34,940.0
UAF Community Campuses		25	29.8	155,863	1,915	192,197.1	40,734.7	6.0	0.10	3.6%	2,160.0	1.1%	654.3	-1,505.7	216.8	2,200.0
<i>Bristol Bay Campus</i>	<i>Dillingham</i>	3	14.3	20,341	281	20,110.3	1,443.7	0.3	0.02	0.3%						
<i>Chukchi Campus</i>	<i>Kotzebue</i>	1	47.0	10,362	133	19,699.9	9,303.5	0.9	0.01	0.5%						
<i>College of Indigenous Studies</i>	<i>Fbks.</i>	1	20.0	22,908	603	22,922.1	670.5	0.5	0.03	0.5%						
<i>Interior Alaska Campus</i>	<i>Various</i>	3	40.3	21,921	279	19,886.6	2,524.6	0.9	0.02	0.5%						
<i>Kuskokwim Campus</i>	<i>Bethel</i>	7	39.3	58,391	357	74,064.3	20,606.5	3.0	0.02	1.5%						
<i>Northwest Campus</i>	<i>Nome</i>	10	23.8	21,940	262	35,513.8	6,185.7	0.5	0.01	0.3%						
UAF Total		257	39.4	4,097,567	12,085	4,097,887.8	992,157.0	136.8	0.21	61.9%	37,170.0	0.9%	16,246.2	-20,923.8	3,726.7	37,140.0
Southeast Campus	<i>Juneau</i>	29	30.0	375,576	1,527	293,204.2	21,816.0	7.7	0.11	4.5%						
UAS Community Campuses		4	11.8	117,546	1,430	76,189.8	5,583.0	0.8	0.33	3.7%						
<i>Ketchikan Campus</i>	<i>Ketchikan</i>	3	12.0	49,488	653	41,685.8	3,465.0	0.5	0.18	2.0%						
<i>Sitka Campus</i>	<i>Sitka</i>	1	11.0	68,058	777	34,504.0	2,118.0	0.4	0.15	1.7%						
UAS Total		33	27.9	493,122	2,957	369,394.0	27,399.0	8.5	0.44	8.2%	4,900.0	1.3%	2,024.1	-2,895.9	493.6	4,890.0
UA System Office⁽³⁾	<i>Various</i>	3	34.3	104,901	3	100,299.9	20,061.0	1.0	0.00	0.5%	270.0	0.3%	260.0	-10.0	9.8	300.0
UASO Total		3	34.3	104,901	3	100,299.9	20,061.0	1.0	0.00	0.5%	270.0	0.3%	260.0	-10.0	9.8	300.0
UA Total		391	36.4	7,932,451	30,555	6,869,902.3	1,467,983.9	205.6	1.00	100.0%	60,000.0	0.9%	29,556.0	-30,464.0	6,000.0	60,000.0
UA Investment Properties⁽⁴⁾	<i>Various</i>	9	43.2	275,050	0.0	203,154.4	15,705.9									
Grand Total		400	36.5	8,207,501	30,555	7,073,056.6	1,483,689.8	205.6	1.00	100.0%	60,000.0	0.8%	29,556.0	-30,464.0	6,000.0	60,000.0

Age*RV Weight 90.0%

Density Weight 10.0%

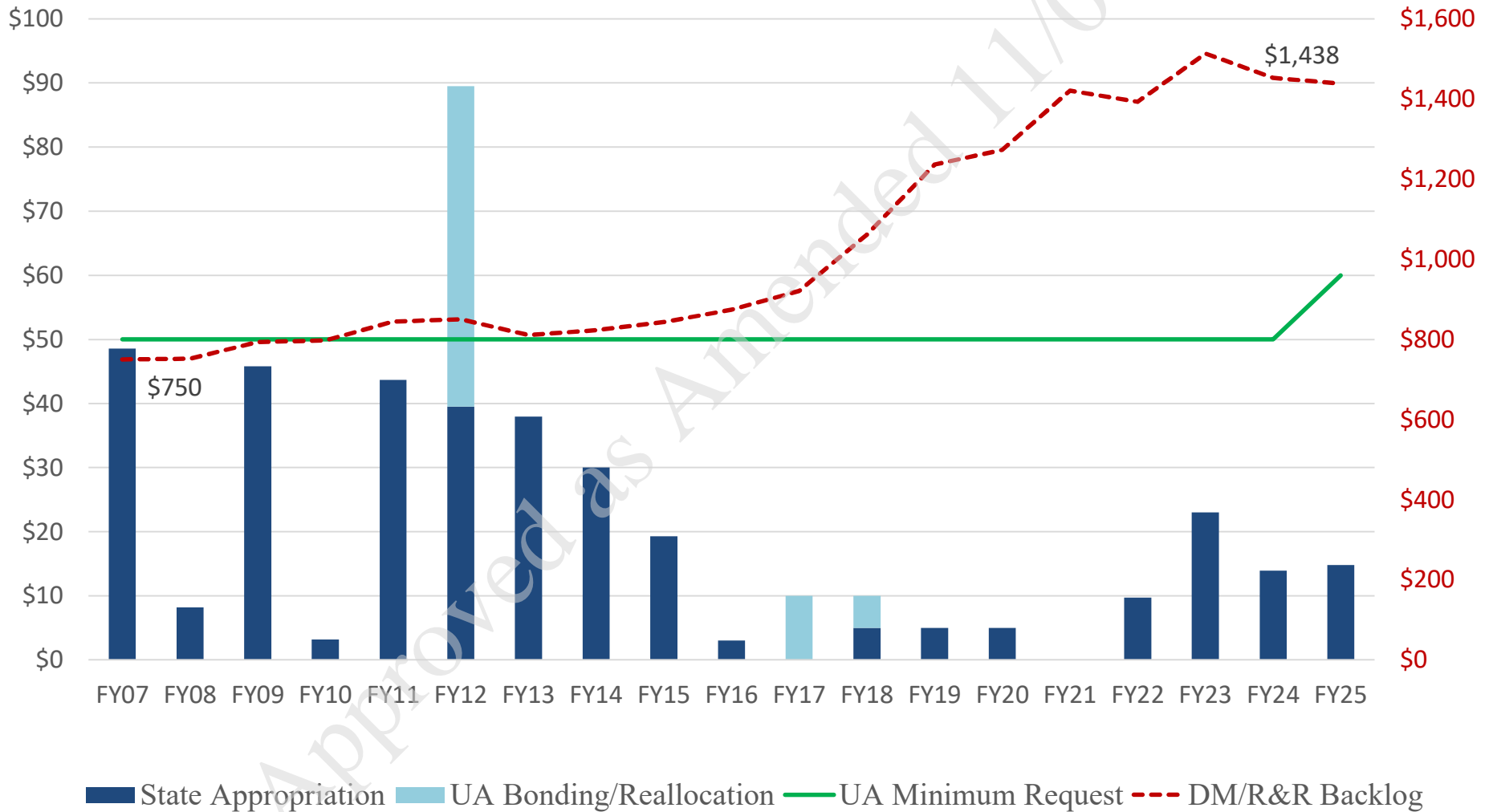
1. Inventory values are buildings only and do not include infrastructure, other capital assets, or land.

2. The index (distribution) is the sum of the weighted age-value index (age multiplied by the replacement value and then divided by 1M) and the weighted density index (student and employee headcount per 100k gsf).

3. UASO headcount includes land management employees since this reflects the occupancy level of system office buildings. UASO distribution % is reduced to allow a larger portion of the funding to be distributed to the universities.

4. UA investment properties are revenue-generating facilities leased to non-UA tenants.

Capital Budget DM/R&R Funding History Unrestricted General Funds & Backlog (in millions of \$)



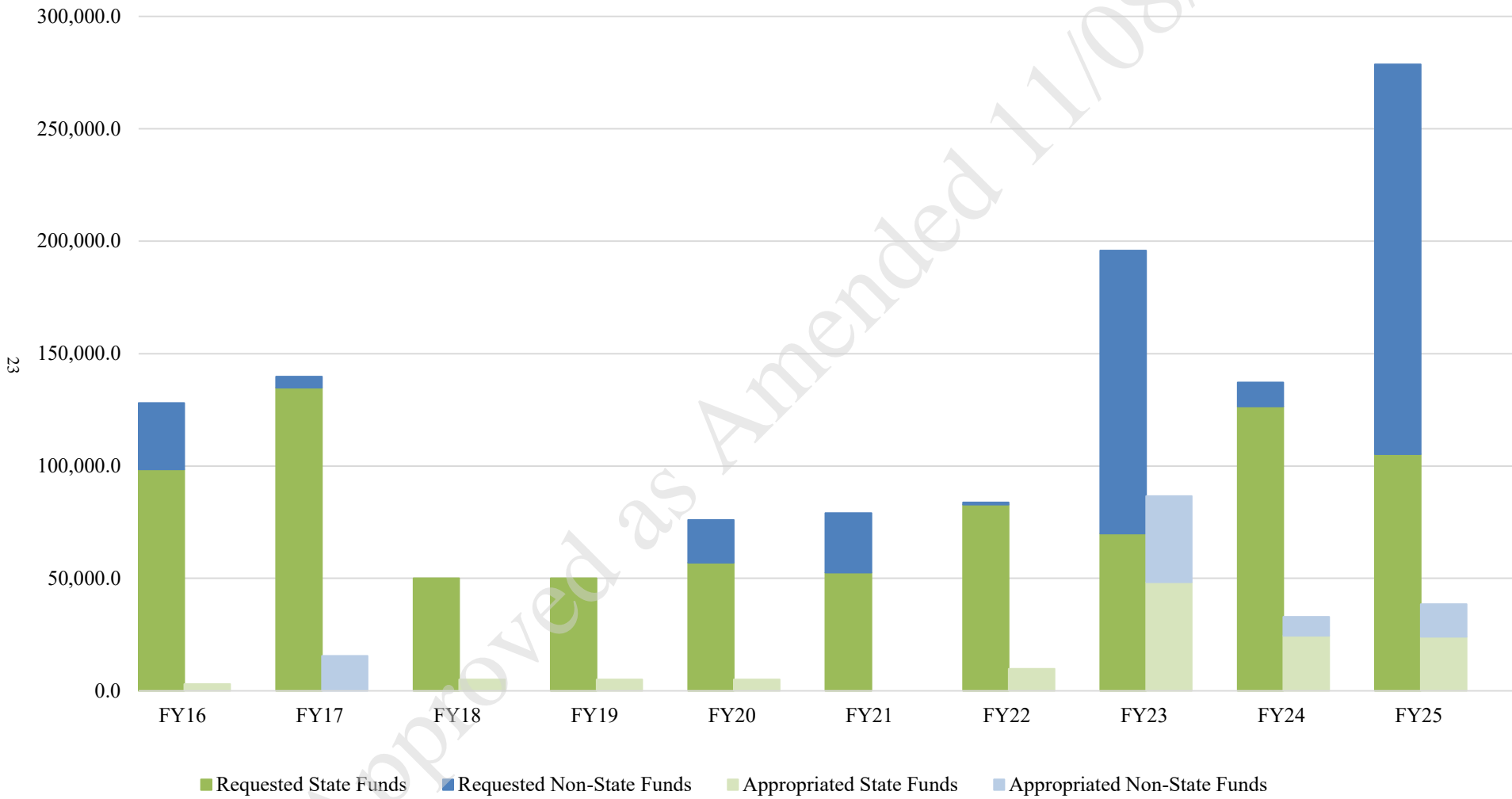
University of Alaska
 Capital Budget Request vs. State Appropriation
 FY16-FY25
 (in thousands of \$)

Request	Renewal and Repurposing	Add/Expand	New Facilities	Equipment	Other⁽²⁾	Total
FY16	50,000.0		35,550.0		13,000.0	98,550.0
FY17	100,000.0		34,800.0			134,800.0
FY18	50,000.0					50,000.0
FY19	50,000.0					50,000.0
FY20	50,000.0				7,000.0	57,000.0
FY21	50,000.0				2,500.0	52,500.0
FY22	50,000.0				32,881.4	82,881.4
FY23	50,000.0				20,000.0	70,000.0
FY24	74,300.0				52,200.0	126,500.0
FY25	66,000.0	7,000.0			32,220.0	105,220.0
Total	590,300.0	7,000.0	70,350.0		159,801.4	827,451.4
10 yr. Avg.	59,030.0	700.0	7,035.0		15,980.1	82,745.1

Approp.⁽¹⁾	Renewal and Repurposing	Add/Expand	New Facilities	Equipment	Other⁽²⁾	Total
FY16	3,000.0					3,000.0
FY17						
FY18	5,000.0					5,000.0
FY19	5,000.0					5,000.0
FY20	5,000.0					5,000.0
FY21						
FY22	9,700.0					9,700.0
FY23	23,018.4				25,250.0	48,268.4
FY24	13,911.0				10,500.0	24,411.0
FY25	14,795.2				9,220.0	24,015.2
Total	79,424.6				44,970.0	124,394.6
10 yr. Avg.	7,942.5				4,497.0	12,439.5

1. Capital appropriations are reported in the year the legislation is passed, regardless of the effective date.
2. Includes research and other capital appropriations.

**University of Alaska
Capital Request and Appropriation Summary FY16-FY25
(in thousands of \$)**



*Capital appropriations are reported in the year the legislation is passed, regardless of the effective date.

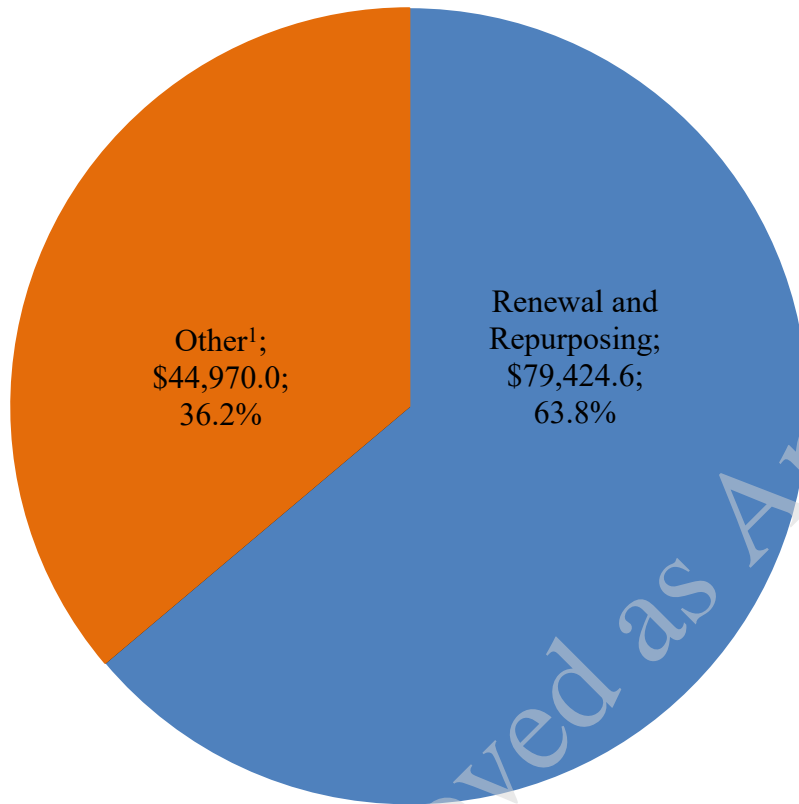
University of Alaska
State Appropriation Summary by Category
FY16-FY25
(in thousands of \$)

Campus	Location	Renewal and Repurposing	Additions / Expansions	New Facilities	Equipment	Other ¹	Total
Anchorage Campus	Anchorage	24,777.2	31.2%			350.0	25,127.2
Kenai Peninsula College	Soldotna	2,377.5	4.0%			5.2	2,382.7
Kachemak Bay	Homer	61.6					61.6
Kodiak College	Kodiak	229.9				5.2	235.0
Matanuska-Susitna College	Palmer	395.7					395.7
Prince Wm. Sound College	Valdez	132.4				186.1	318.5
	UAA	27,974.2	35.2%			546.4	28,520.6
Troth Yeddha' Campus	Fairbanks	43,561.4	54.8%			23,905.4	67,466.7
Community & Technical College	Fairbanks	510.0	0.6%				510.0
Bristol Bay Campus	Dillingham	200.0	1.6%				200.0
Chukchi Campus	Kotzebue	95.4					95.4
College of Indigenous Studies	Various	417.0					417.0
Interior Alaska Campus	Tok						
Interior Alaska Campus	Fort Yukon						
Interior Alaska Campus	Fairbanks						
Kuskokwim Campus	Bethel						
Northwest Campus	Nome	571.6					571.6
	UAF	45,355.4	57.1%			23,905.4	69,260.7
Juneau Campus	Juneau	4,615.0	5.8%			290.0	4,905.0
Ketchikan Campus	Ketchikan	1,150.0	1.9%			228.2	1,378.2
Sitka Campus	Sitka	330.0					330.0
	UAS	6,095.0	7.7%			518.2	6,613.2
UA System Office	Fairbanks					20,000.0	20,000.0
	UASO					20,000.0	20,000.0
	UA Grand Total	79,424.6	100.0%			44,970.0	124,394.6
	% of Total	63.8%				36.2%	100.0%

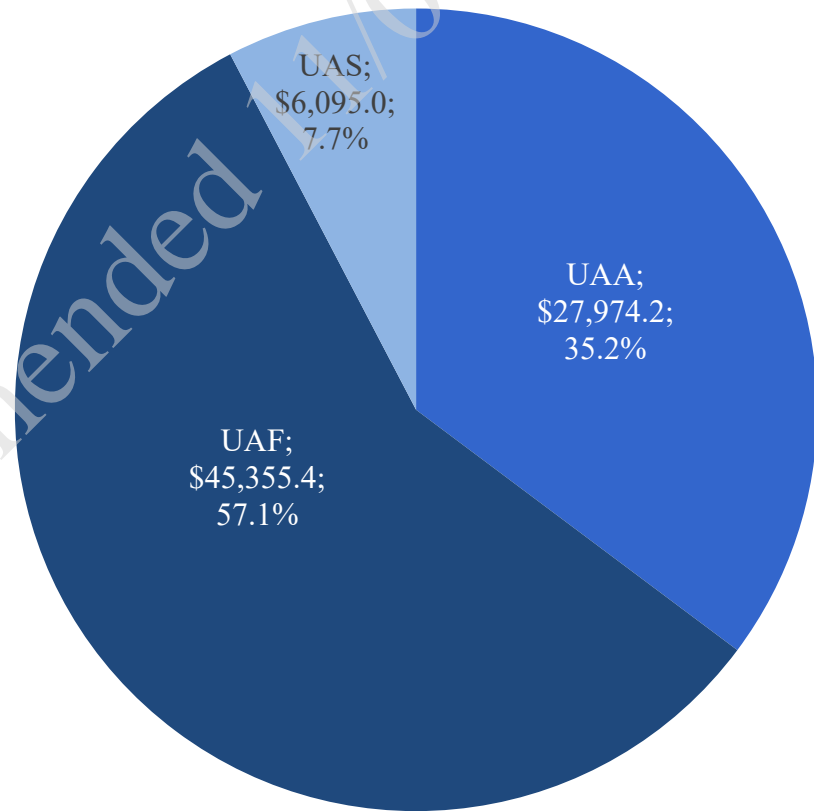
1. Includes research and other capital appropriations.

State Appropriation Summary by Category and MAU FY16 - FY25 (in thousands of \$)

State Appropriation by Category



R&R Funds by MAU



1. Includes research and other capital appropriations.