UNIVERSITY of ALASKA

Many Traditions One Alaska

Proposed
FY2018 Capital Budget and
10-Year Capital Improvement Plan

Board of Regents
November 10-11, 2016
Fairbanks, Alaska

Prepared by: University of Alaska
Statewide Office of Planning and Budget
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Introduction

Presented within are the proposed FY2018 Capital Budget Request and the 10-Year Capital Improvement Plan. The goal of the Board of Regents' University of Alaska FY2018-FY2027 Capital Improvement Plan (CIP) is to guide decision making that ensures the necessary facilities, equipment, and infrastructure are in place to support the academic direction of the university system as prescribed in the UA Academic Master Plan, support a continuous improvement philosophy, and permit consideration of the associated future annual operating costs that may be incurred.

The capital budget presents the top priority projects for FY2018 and the short-, mid-, and long-term capital investment goals consistent with the Campus Master Plans. A state investment of $50 million for Deferred Maintenance (DM)/ Renewal and Repurposing (R&R) is proposed for FY2018. Priority new construction projects that have already received some approval are included in the 10-year capital improvement plan for consideration in future capital budget requests.

University of Alaska
Proposed FY2018 Capital Budget Request Summary
(in thousands of $)

	State Approp.	Non-State Funding	Total
Deferred Maintenance (DM) / Renewal & Repurposing (R&R)	**50,000.0**		**50,000.0**
UAA Main Campus	*12,765.9*		*12,765.9*
UAA Community Campuses	*2,879.7*		*2,879.7*
UAF Main Campus	*28,313.8*		*28,313.8*
UAF Community Campuses	*2,104.6*		*2,104.6*
UAS Main & Community Campuses	*2,410.0*		*2,410.0*
SW Statewide	*1,526.0*		*1,526.0*
Proposed FY2018 Capital	**50,000.0**	**0.0**	**50,000.0**

University of Alaska Proposed 10-Year Capital Improvement Plan (in thousands of $)

	FY2018			State Appropriations		
	State Approp.	Non-State Funding	Total	Short-Term FY19-FY20	Mid-Term FY21-FY22	Long-Term FY23-FY27
Deferred Maintenance (DM) / Renewal & Repurposing (R&R)						
Facilities Deferred Maintenance/Renewal & Repurposing	50,000.0		50,000.0	100,000.0	100,000.0	250,000.0
Major Maintenance & Renewal Projects						
UAA Campuses						
Cuddy Hall Expansion & Renewal - Planning				2,100.0	21,100.0	
Infrastructure Repair/Replacement						2,000.0
UAF Campuses						
Fine Arts Program: Salisbury Theater						25,000.0
Engineering Program Modernization: Duckering					7,000.0	
West Ridge Research Facilities: Elvey Annex (Phase 1) & Exterior (Phase 2)					12,000.0	68,000.0
Arctic Health Facility & Dining Upgrade						64,000.0
West Ridge Research Building #1 - Backup Power				2,500.0		
Moore-Bartlett Infrastructure					4,000.0	14,000.0
UAS Campuses						
Auke Bay Marine Station Facility (main building) Renovation					10,000.0	
New Construction						
Academic Facilities						
UAA Main Campus						
Health Sciences Phase II Building and Parking Structure					96,000.0	45,500.0
Alaska Native Art and Culture Building ($4.5M non-state)						
College of Education Reconfiguration/Addition and PSB Renovation					5,000.0	45,000.0
UAA Community Campus						
Mat-Su Campus Alaska Middle College School (AMCS) Relocation [1]				2,000.0		
PWSC Multipurpose Training Room Reconfiguration					200.0	1,800.0
KPC Kachemak Bay Campus Library/Computer Addition					150.0	1,350.0
PWSC Vocational Technology Center					800.0	7,200.0
Kodiak Career & Technical Education Center					2,300.0	22,000.0
Kodiak Longhouse						8,600.0
KPC Kachemak Bay Campus Technical Career Center						7,200.0
UAF Main Campus						
CTC Fire and Emergency Services Training and Education Facility				37,500.0		
UAF Troth Yeddha /Indigenous Studies Center: Park & Building ($25.0M non-state)					4,500.0	10,000.0

1. Project not in last year's 10-Year Capital Improvement Plan.
2. UA will work with the legislature on U-med Northern Access Road.

University of Alaska Proposed 10-Year Capital Improvement Plan (in thousands of $)

	FY2018			State Appropriations		
	State Approp.	Non-State Funding	Total	Short-Term FY19-FY20	Mid-Term FY21-FY22	Long-Term FY23-FY27
Academic Facilities (continued)						
UAF Community Campus						
Community & Technical College (CTC) Aviation/Hangar Addition						13,000.0
Kuskokwim Campus Consortium Learning Center						7,200.0
UAS Main Campus						
Physical Science Addition						13,100.0
Center for Mine Training Portal					1,500.0	
Research Facilities						
UAA Community Campus						
KPC Kenai River Cultural Arts and Research Center ($12.5M non-state)					2,500.0	10,000.0
UAF Main Campus						
Science, Teaching & Research Building (West Ridge Research Building #2)						100,000.0
Toolik Research Field Station: Classroom					8,000.0	
UAS Main Campus						
Natural Science Research Lab Site Development						500.0
Student Life (Housing), Support, and Other Facilities						
UAA Main Campus						
Community Arena and Recreational Facility						120,000.0
Student Support Services and Student Union Building						172,000.0
Student Housing						5,000.0
UAA Community Campus						
PWSC Outdoor Recreation Leadership Center						3,000.0
Mat-Su Student Housing [1]						2,000.0
Mat-Su Renewable Energy Building [1]						1,450.0
UAF Main Campus						
Student Recreation Center Expansion					500.0	11,500.0
Athletics & Recreation: Patty Center Entrance						20,000.0
Campus (Undergraduate & Graduate) Housing Project (possible P3)					6,500.0	65,000.0
UAS Main Campus						
UAS Student Union ($10M non-state)				10,000.0		
Auke Lake Cultural Center						26,100.0
Auke Lake Field House						11,400.0

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University of Alaska Proposed 10-Year Capital Improvement Plan (in thousands of $)

	FY2018			State Appropriations		
	State Approp.	Non-State Funding	Total	Short-Term FY19-FY20	Mid-Term FY21-FY22	Long-Term FY23-FY27
Infrastructure						
UAA Main Campus [2]						
Master Plan Circulation Improvements (non-state TBD)				2,000.0	11,500.0	
UAA Community Campus						
MAPTS Kenai Ground Water Contamination Mitigation				2,000.0		
Kodiak Entrance Road Realignment and Exterior Lighting				500.0	5,000.0	
KPC City of Soldotna J/V Water System Loop Connection						2,000.0
Mat-Su Roads, Circulation, & Parking Improvements						2,000.0
UAF Main Campus						
Core Campus Parking Garage ($4.0M non-state)						4,350.0
Land, Property and Facilities Acquisitions						
UAA Main Campus						
Adjacent Land and Property Acquisitions					2,000.0	
Warehouse and Support Facility					2,000.0	
UAA Community Campus						
KPC Kachemak Bay Campus Property Acquisition					1,800.0	
Kenai River Campus Property Acquisition						2,235.0
PWSC Millwright Shop [1]					2,400.0	
UAF Main Campus						
Early Childhood Education and Childcare Center					850.0	
Research for Alaska						
UAF Main Campus						
Earthquake Detection & Tsunami Warning (Earthscope) ($12.0M non-state)					5,000.0	
Alaska Climate Data Center ($350K non-state) [1]					750.0	
Revitalizing Alaska Native Languages (RANL) ($250K non-state)					250.0	
Academic Equipment						
UAA Main Campus						
College of Engineering Materials Testing Lab Upgrades				600.0		
Consortium Library - Library Materials for UA [1]				500.0	600.0	
UAF Main Campus						
Classroom Instructional & e-Learning Technology					2,000.0	
UAS Campuses						
Smart Classrooms at the Juneau Campus				250.0		
Total	**50,000.0**		**50,000.0**	**159,950.0**	**316,200.0**	**1,163,485.0**

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Facilities Deferred Maintenance (DM) and Renewal and Repurposing (R&R)
FY18 (GF: $50,000.0, NGF: $0.0, Total: $50,000.0)
FY19-FY27 (GF: $450,000.0, NGF: $0.0, Total: $450,000.0)
The State's prior funding commitments to address the deferred maintenance (DM) backlog resulted in, unquestionably, one of the single most important capital investments the state has made in UA and across the state. UA requests $50 million in FY2018 for deferred maintenance funding.

Major Maintenance and Renewal Projects

UAA Cuddy Hall Expansion & Renewal - Planning
FY19-FY20 (GF: $2,100.0, NGF: $0.0, Total: $2,100.0)
FY21-FY22 (GF: $21,100.0, NGF: $0.0, Total: $21,100.0)
Lucy Cuddy Hall is a single story building that is home to the University's Culinary Arts and Hospitality programs and is also the main food service for the West Campus. In addition, Cuddy Hall acts as a community center that hosts a variety of activities, ranging from student study to conferences and weddings. Cuddy Hall was built in 1972 and has had additions constructed in 1977 and in 2008 in attempts to address the growth of the programs and increased demands on the facility. Funding for the 2008 addition was only able to address a very small portion of the many needs outlined at the time, leaving a large amount of the program that was developed to wait for future funding. Facilities Planning and Construction is reviewing the facility again, and initial concept planning in 2015 is showing Cuddy Hall can successfully be expanded and renovated to address the remaining program needs.

Goals of the Culinary Arts and Hospitality programs include:
-- the creation of an office suite providing clear identity to the programs;
-- increase instructional space to serve the programs;
-- make improvements to the layout of commercial kitchen elements of the Culinary Arts program.

Other areas of the building that need to be addressed include:
-- a full renovation of the food service area improving the ability to produce quality and relevant food, make it visible to the public, improve traffic flow, and prevent theft;
-- increasing the size of the main dining room for student study space;
-- add flexibility to the main dining room by providing dividers for multiple size events; and
-- install audio/visual equipment to improve service for conferences.

Additionally, since this building is one of the original five facilities built at the inception of the Anchorage Community College, this project also requires a full building renovation. The project will renovate and/or replace all building mechanical, electrical, plumbing, and fire protection systems; replace the roofing system; renew or replace exterior doors & windows as necessary; renew restrooms and all interior and exterior building finishes, including landscaping; and renovate the loading dock and service parking area.

UAA Infrastructure Repair/Replacement
FY23-FY27 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
During repairs to heating lines entering the UAA Engineering Building in 2014, excessive ground water was encountered. The source of the groundwater was determined to be storm water and cooling water discharge escaping from the East Campus storm drain system. The storm drain was inspected by camera and shown to have numerous major breaks and in some places complete disintegration along approximately 1,500 feet of the line constructed with Engineering and Natural Sciences buildings in the early 1980's.

The loss of structural integrity in the storm water line is allowing storm water and cooling water discharge to escape underground at numerous locations saturating subsurface soils and potentially compromising geotechnical stability for buildings, road, and other infrastructure.

UAF Fine Arts Program: Salisbury Theater
FY23-FY27 (GF: $25,000.0, NGF: $0.0, Total: $25,000.0)
The project is a major renovation of the Salisbury Theater. It will address major code deficiencies, create new, smaller learning spaces appropriate for today's teaching methods and replace worn out mechanical and electrical equipment.

UAF Engineering Program Modernization: Duckering
FY21-FY22 (GF: $7,000.0, NGF: $0.0, Total: $7,000.0)
This project will renovate and modernize teaching lab space in the Duckering building once the new engineering facility is complete. The engineering program has grown to the point that both the new building and a modernized "old" building are required to support the program.

UAF West Ridge Research Facilities: Elvey Annex (Phase 1) & Exterior (Phase 2)
FY21-FY22 (GF: $12,000.0, NGF: $0.0, Total: $12,000.0)
FY23-FY27 (GF: $68,000.0, NGF: $0.0, Total: $68,000.0)
Phase 1 includes code corrections, a new roof, ventilation, electrical and seismic upgrades of the Elvey Annex. Phase 2 is a major renovation of the Elvey tower to abate the asbestos, bring the seismic resistance up to code, upgrade the electrical and mechanical systems and re-skin the building to significantly decrease the energy use. Functional obsolescence will be addressed with efficient office and lab layouts.

UAF Arctic Health Facility & Dining Upgrade
FY23-FY27 (GF: $64,000.0, NGF: $0.0, Total: $64,000.0)
Major facility upgrade to the Arctic Building including code corrections, renovation of functionally obsolete space and equipment, and building mechanical and electrical systems. The West Ridge area of UAF does not have adequate dining options for those working and studying on that end of campus. This project will renovate existing space with a full service kitchen.

UAF West Ridge Research Building #1 - Backup Power
FY19-FY20 (GF: $2,500.0, NGF: $0.0, Total: $2,500.0)
Provide reliable emergency power for three mission critical facilities housed at UAF - Alaska Volcano Observatory, Alaska Earthquake Information Center and Alaska Satellite Facility.

UAF Moore-Bartlett Infrastructure
FY21-FY22 (GF: $4,000.0, NGF: $0.0, Total: $4,000.0)
FY23-FY27 (GF: $14,000.0, NGF: $0.0, Total: $14,000.0)
The plumbing infrastructure in the Moore and Bartlett dormitories is near the end of its life. The copper piping has corroded to the point of failure in some areas. This project will replace the plumbing and reconfigure the restrooms to comply with modern dorm restroom expectations.

UAS Auke Bay Marine Station Facility (main building) Renovation
FY21-FY22 (GF: $10,000.0, NGF: $0.0, Total: $10,000.0)
In August 2016, UA submitted an application to the US Department of Education (DOE) to acquire the former NOAA Auke Bay Marine Station in Juneau for research and instructional programs. Acquisition of the building aligns with UAS strategic and campus master plans. Final approval for disposition of the property comes from the General Services Administration (GSA), based upon DOE's recommendation. UAS acquisition has been endorsed by DOE, including recommendation of transfer with a 100% public benefit allowance (i.e. no cost for UA acquisition). While the application is still pending with GSA, this is the estimated cost of renovating the Facility for UAS occupancy.

Academic Facilities

UAA Health Sciences Phase II Building and Parking Structure
FY21-FY22 (GF: $96,000.0, NGF: $0.0, Total: $96,000.0)
FY23-FY27 (GF: $45,500.0, NGF: $0.0, Total: $45,500.0)
UAA is uniquely situated, surrounded by two of the largest hospital complexes in Alaska. As the U-Med District grows, partnerships with neighboring institutions continue to emerge. For the past decade, the University has been in discussion with neighboring institutions about partnering for joint-use health care training facilities. In addition, the demand for health care professionals throughout the state has resulted in a call for increased course and program offerings that UAA is unable to meet because of a lack of facilities.

In FY09, the Alaska State Legislature appropriated $46M for the construction of the Health Sciences Building (HSB). This funding provided for construction of a 65,000 gsf. building located on the land parcel UAA received in the 2005 land trade with Providence Hospital. During programming for this building and for the College of Health programs, it was determined that this facility would become Phase I and would only be able to house the Nursing and WWAMI programs with some functions remaining in existing space on the West Campus. It was determined that approximately 99,500 additional gsf of space would be needed in Phase II to accommodate the additional programmatic needs of the Allied Health programs and other health science programs, as well as classroom and administrative space.

The UAA Health Sciences Subdistrict Plan consists of nine acres of prime road-front real estate on Providence Drive and is contiguous with the main campus. The plan was approved by the BOR in February 2009 as an amendment to the 2004 UAA Master Plan and reaffirmed in the 2013 Campus Master Plan. It calls for several high profile buildings to be located on this site that will require a high volume of parking. In accordance with the UAA Master Plan, all future parking should be consolidated in parking structures to reduce the impact on developable land, provide better traffic control on the campus and reduce the negative visual impact of surface parking.

This project was identified 2004 UAA Master Plan and revalidated in the 2009 update and 2013 revision. It is in keeping with the UA Strategic Plan goals of student success, educational quality, faculty and staff strength, and responsiveness to state needs, technology and facility development.

UAA Alaska Native Art and Culture Building
FY19-FY20 (GF: $0.0, NGF: $4,500.0, Total: $4,500.0)
Alaska Native Art courses currently are held in a portable structure situated in a mid-campus parking lot. The portable structure is not large enough to meet the growing demands of students interested in taking Alaska Native Art courses, its infrastructure is inadequate to provide a full range of Native Art form instruction, and does not have indoor restrooms. Construction of a new Alaska Native Art and Culture Building will correct these deficiencies and will provide a dedicated, culturally-appropriate space for our Alaska Native community. The building will include an open studio for general art creation, several smaller areas for creation of specialized art work, a gallery area to display the art, a gathering space/classroom for Alaska Native students and elders to share indigenous knowledge among themselves and with the non-Alaska Native community alike.

This Capital Request is for Receipt Authority in the amount of $4.5M to design and construct about 6,000 gross sqft. of art studio, gallery, multifunction classroom, and supporting administrative spaces. The program is currently seeking funding from local sources and potential benefactors.

UAA College of Education Reconfiguration/Addition and PSB Renovation
FY21-FY22 (GF: $5,000.0, NGF: $0.0, Total: $5,000.0)
FY23-FY27 (GF: $45,000.0, NGF: $0.0, Total: $45,000.0)
In 1973 the Anchorage Community College added Building K, now known as the Professional Studies Building (PSB), adjacent to the five buildings that were constructed at the founding of West Campus in 1970. The PBS was expanded shortly thereafter in 1975 with a classroom/studio wing to the west and the construction of the Wendy Williamson Auditorium to the east. PSB houses a number of different departments: College of Health (COH) Administration, Occupational Therapy/Physical Therapy Assistant, and soon Pharmacy; College of Arts & Sciences (CAS) Journalism & Public Communication, Community and Technical College (CTC) College Preparatory and Developmental Studies (CPDS); KRUA Student Radio Station; and faculty union representatives, all in addition to the College of Education (COEd). Many of the office spaces serving these departments were backfilled into various areas of the building – many without access to daylight. The COEd now occupies a

number of these discontinuous spaces, and will be adding a Doctorate of Education program that will require additional classroom, lab, and office space.

The 2009 UAA Campus Master Plan Update identifies a number of building modifications in proximity to the existing PSB. A multi-story L-shaped building is shown directly attached to the north end of the existing PSB as the future home of the UAA COEd Learning Labs. A 2012 effort to develop the COEd Master Plan redefined the northern entrance and consolidated the COEd to the north side of the building on the first and second floors. Additionally, the plan created a new separate building for the Tanaina Child Development Center with integrated observation areas to be used by Early Childhood Development curriculums.

Since this time, the Health Sciences Building (HSB) Phase I was constructed and the Phase II is currently in planning with projected construction to be complete 2-3 years before this project's commencement. This will allow all remaining tenants of the PSB belonging to COH to relocate to HSB II, freeing a substantial portion of PSB as swing space to manage the churn for the renewal and consolidation activities. Also, the Tanaina Child Development Center has relocated off-campus so there is no longer a requirement to collocate with the COEd, therefore, this frees the open space north to West Campus Drive and west of the newly renovated Beatrice McDonald Hall for reassessment of access, parking, and physical and visual connectivity to the Cuddy Quadrangle and the rest of the West Academic Zone.

A new entry addition on the north end of the PSB would renew and redefine that end of PSB, presenting a new face of campus along both sides of the pedestrian walk and provide the COEd an opportunity to create its own individual campus identity at this entry addition. This addition will redefine this north end in a way that clearly announces the new face of COEd. Glazed facades facing east and west will enliven views from adjacent walkways.

This project will also include the renovation, repurposing, and backfill of all other space in PSB, including:
- Space vacated by the College of Education;
- Space vacated by the College of Health by their move to the Health Science District (HSB II). (This work was previously included in Health Science Backfill); and
- All other occupied and unoccupied space in PSB.
- All building systems including, but not limited to, roofing, other exterior envelope, elevators, mechanical, electrical, plumbing, HVAC, fire protection/suppression, telecommunications, architectural finishes, and building automation systems.

UAA Mat-Su Campus Alaska Middle College School (AMCS) Relocation
FY19-FY20 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
During the FY17 Budget Cycle, State Legislators raised the issue as to why the Mat-Su Borough School District (MSBSD) was paying ValleyMover bus service to transport their Alaska Middle College School (AMCS) students back and forth to the Chugiak-Eagle River Campus (CERC) instead of the Mat-Su College (MSC). UA President directed UAA to review the arrangement.

Upon review, it was determined that MSC had the capacity to accommodate the AMCS students in existing college courses, however, had a shortfall of space to accommodate MSBSD "homeroom" type activities and high school level courses. In a meeting in May 2016, UAA, MSC, and MSBSD coordinated to relocate the AMCS from CERC to MSC. MSBSD would provide three (3) relocatable classroom trailers to be installed at MSC.

This will be the temporary accommodation for 5 years to see if the grant-funded AMCS continues to prosper. If in 5 years the AMCS becomes a permanently-funded MSBSD operation, a permanent facility will be constructed on the MSC campus and the relocatable trailers removed. The $2M request in FY19-20 is for site development and accommodations to the campus facilities and infrastructure expected based on the additional daily users. Concept planning for the future campus accommodations is also part of this request. As the program matures campus facilities and infrastructure requirements will be assessed and developed in the next several years.

UAA PWSC Multipurpose Training Room Reconfiguration
FY21-FY22 (GF: $200.0, NGF: $0.0, Total: $200.0)
FY23-FY27 (GF: $1,800.0, NGF: $0.0, Total: $1,800.0)
The Prince William Sound College General Education Instruction and Vocational Technology / Work Force Development Training programs continue to expand and explore instruction and vocational training opportunities in areas such as the rural health care fields, industry, and other work force development needs in line with the UA and State of Alaska work force development objectives. The current facility does not have any space that can accommodate groups of 20 or more people. This additional space would be used year round for instruction, training, student success support and campus events.

This project was previously titled "PWSC Lecture Hall / Workforce Development Center".

UAA KPC Kachemak Bay Campus Library/Computer Addition
FY21-FY22 (GF: $150.0, NGF: $0.0, Total: $150.0)
FY23-FY27 (GF: $1,350.0, NGF: $0.0, Total: $1,350.0)
Kachemak Bay Campus is a partner in the Enhancing Alaska’s Rural Community Computing Centers application by the University of Alaska and the Alaska Distance Education Consortium (AKDEC) under the Broadband Technology Opportunity Program Notice of Funds Availability (NOFA) initiative. The campus was unsuccessful in obtaining a grant under this program to construct this project and is now seeking State funding.

UAA PWSC Vocational Technology Center
FY21-FY22 (GF: $800.0, NGF: $0.0, Total: $800.0)
FY23-FY27 (GF: $7,200.0, NGF: $0.0, Total: $7,200.0)
PWSC has an ongoing Vocational Technology training program and are currently renting space to run this program. The program needs industrial lab space for the courses being offered.

UAA Kodiak Career & Technical Education Center
FY21-FY22 (GF: $2,300.0, NGF: $0.0, Total: $2,300.0)
FY23-FY27 (GF: $22,000.0, NGF: $0.0, Total: $22,000.0)
The Vocational Technology Center (VOTECH) Building on the Kodiak College (KOC) campus was constructed in 1973 and as its outdated name implies, was designed and built for a different era. The facility no longer meets the Career and Technical Education (CTE) needs of industry and business partners for the types of classes and workforce training needs currently in demand in the Kodiak community, including the largest US Coast Guard base and island's seven rural villages. Attempting to meet the expanded and steadily increasing needs over the last seven years, the College has been only partially successful by conducting courses at the local high school. Unfortunately, courses may only be offered after the traditional high school day, thereby severely limiting the number of programs and courses offered. Local school district prioritization limits availability and access to facilities to one or occasionally two weekday evenings only, with no ability to use facilities during traditional workday hours, on weekends, during school vacations, closures and summer months. These limitations have caused KOC to lease a warehouse off-campus to conduct career courses in welding and the construction trades. In order to meet the growing program and space needs for the construction, welding, occupational safety, fitness, marine maintenance and repair, alternative energy, diesel, small engine and mechanical trades and address the issues associated with the current on-campus building, an expansion of this existing facility should be constructed to house these programs.

UAA Kodiak Longhouse
FY23-FY27 (GF: $8,600.0, NGF: $0.0, Total: $8,600.0)
This project would construct an approximately 12,000 gross sqft. facility with a 100 to 120 seat auditorium, adjoining meeting rooms and collaborative areas for students, faculty, staff and the community to interact. The building would be sited on the campus to help unify the other buildings and blend with the natural setting of the campus.

UAA KPC Kachemak Bay Campus Technical Career Center
FY23-FY27 (GF: $7,200.0, NGF: $0.0, Total: $7,200.0)
The Kenai Peninsula College Master Plan has identified the need for a Technical Career Training Facility on the Kachemak Bay Campus. This building would provide training to local students for high demand technical jobs in the local area.

UAF Community & Technical College (CTC) Emergency Services Training and Education Facility
FY19-FY20 (GF: $37,500.0, NGF: $0.0, Total: $37,500.0)
The proposed UAF Emergency Management and Services (EMS) Facility will provide space to meet the current demand and future growth of the emergency services programs and continue to fulfill the university's missions and goals. The current facility is 50 years old and doesn't meet modern earthquake construction codes. The replacement facility is envisioned to be a living laboratory for student emergency responders, attending classes and labs adjacent to an actual operating emergency services department. The facility space program allows for apparatus bays and support spaces for fire and EMS, and firefighter/medic living quarters for on duty members.

UAF Troth Yeddha /Indigenous Studies Center: Park & Building
FY21-FY22 (GF: $4,500.0, NGF: $5,000.0, Total: $9,500.0)
FY23-FY27 (GF: $10,000.0, NGF: $20,0000.0, Total: $30,000.0)
The cultural heritage of the Alaska Native population is as vast and varied as the state itself. Encompassing eleven native cultural groups with over 20 spoken languages, the cultures are diverse and distinct. But each shares a common vision of community, respect for the land, and a desire to embrace modern culture without losing their defining traditions and heritage.

For many years, a place to commemorate and acknowledge Native Alaskan peoples has been envisioned at the University of Alaska Fairbanks (UAF). Moreover, the university is attended by increasing numbers of native students who have continually expressed interest in having a touchstone place on campus that is reflective of their peoples' culture and traditions. The College of Rural and Community Development, as well as Interior-Aleutians Campus has steadily backed the concept of a location for gathering, reflection and cultural expression. Troth Yeddha' is that place. The project will build an International Center for Indigenous Studies on the Troth Yeddha' land east of the UAF Museum of the North.

UAF Community & Technical College (CTC) Aviation/Hangar Addition
FY23-FY27 (GF: $13,000.0, NGF: $0.0, Total: $13,000.0)
Construct an 18,000 square foot addition to the CTC Hangar to support the growing aviation program.

UAF Kuskokwim Campus Consortium Learning Center
FY23-FY27 (GF: $7,200.0, NGF: $0.0, Total: $7,200.0)
Kuskokwim Campus envisions a 3,246 square foot expansion onto the front of this facility. Half would be a library expansion and the remaining half would be for a gift shop, offices, and conference room. This expansion would promote the university consortium collection.

UAS Physical Science Addition
FY23-FY27 (GF: $13,100.0, NGF: $0.0, Total: $13,100.0)
The Environmental Science program has limited lab space in the Whitehead lower floor. The geology lab is undersized and staff office spaces are located in storage rooms. Environmental Science research labs are inconveniently located about one mile from campus which limits the opportunities for students to be exposed to research.

UAS Center for Mine Training Portal
FY21-FY22 (GF: $1,500.0, NGF: $0.0, Total: $1,500.0)
A new hands-on mine training portal in Juneau will complement existing facilities at the UAS Center for Mine Training, located at the UAS Technical Education Center in downtown Juneau. The proposed portal site, evaluated favorably by DOWL Engineers, is an existing quarry near Lemon Creek on lands owned by the City and Borough of Juneau. It has easy year-round access on an industrial road and yet it is in close proximity to available city resources.

The intent of the mine training portal is to meet identified needs of employers in Southeast Alaska for entry-level mine training that builds a local workforce. More underground mining activity is expected in Southeast Alaska and there is strong support for training that is close to home for the region's residents. Previous hands-on training in Juneau took place at the historic A-J Mine, but it has access issues in winter and other challenges. The Lemon Creek portal site provides ready year-round access to hands-on training opportunities.

UAS has enjoyed a strong working relationship with the Hecla Greens Creek mine on Admiralty Island and with Coeur/Kensington Mine north of Juneau. Both have made significant investments in UAS scholarships and programs designed to build a local and regional workforce. UAS now offers a mine mechanic training program, funded by Hecla, that includes hands-on training, job shadowing on the mine site, and good possibilities for motivated graduates. UAS and MAPTS offer MSHA (Mine Safety and Health Administration) training for local miners and contractors who work on nearby mine sites.

Building a skilled and reliable local workforce requires proper training facilities to adequately train underground miners and mechanics. Adding the hands-on mine training portal to the existing Center for Mine Training classroom spaces and mine training simulator will enable UAS to make a meaningful contribution to building that skilled workforce for current and future mines.

Research Facilities

UAA KPC Kenai River Campus Cultural Arts and Research Center
FY21-FY22 (GF: $2,500.0, NGF: $0.0, Total: $2,500.0)
FY23-FY27 (GF: $10,000.0, NGF: $12,500.0, Total: $22,500.0)
The project is to build and operate a community-based Kenai Peninsula Cultural Arts and Research Facility associated with Kenai Peninsula College. The facility would be sited approximately 150 yards from the Brockel Building on a small bluff next to the southwest corner of the parking lot. The purpose of this multi-use facility is to serve as the foundation for anthropological research led by Dr. Alan Boraas, preservation and research of cultural artifacts, a museum for preservation, research and storage of cultural/natural history artifacts and as a performing and fine arts education center. Various community organizations have expressed interest in this concept and in being partners with Kenai Peninsula College including local, state, federal and tribal governments.

UAF Science, Teaching & Research Building (formerly known as West Ridge Research Building #2)
FY23-FY27 (GF: $100,000.0, NGF: $0.0, Total: $100,000.0)
With the completion of the Margaret Murie Life Sciences Building, the facilities upgrade in the biological disciplines will near completion while other upper campus disciplines are in need of new space. To address continued lack of research labs and offices and provide new, modern space for existing academic programs, a multi-disciplinary research building will be constructed on the West Ridge. It will fill a critical need for more laboratory, teaching and research space at UAF. The project will construct approximately 100,000 square feet of new research and academic space to serve

Fisheries and Ocean Sciences, Natural Resources and Museum Research. The facility will be constructed with labs, offices, classrooms and required infrastructure.

UAF Toolik Research Field Station: Classroom
FY21-FY22 (GF: $8,000.0, NGF: $0.0, Total: $8,000.0)
Toolik Field Station (TFS) is a world renowned research facility with hundreds of scientific researchers in residence during the busy summer season. None of the existing facilities are suitable for use as a classroom and the addition of a classroom will allow seminars, small conferences and undergraduate field classes at TFS. This will add educational elements to the TFS mission and strengthen both the graduate and undergraduate research programs at UAF.

UAS Natural Science Research Lab Site Development
FY23-FY27 (GF: $500.0, NGF: $0.0, Total: $500.0)
UAS acquired what had been the Alaska Dept. of Environmental Conservation laboratory in 2004. The property has inadequate parking which is provided in part through the lease of nearby private property. That lease will expire in a 2020 and the availability and or cost of that parking is unpredictable. This project would purchase adjacent land and construct a new parking lot.

Student Life (Housing), Support, and Other Facilities

UAA Community Arena and Recreational Facility
FY23-FY27 (GF: $120,000.0, NGF: $0.0, Total: $120,000.0)
Although the majority of UAA Athletic programs have relocated to the new Alaska Airlines Center (AAC) in 2014, the UAA Hockey Team locker rooms and practice ice rink remain in the Wells Fargo Sports Center (WFSC) at the core of the UAA Campus. The WFSC facility is designated for replacement by a new building accommodating Student Support Services and an expanded Student Union in the 2013 Campus Master Plan. A new facility will be required to support the UAA Hockey Team prior to the demolition of the WFSC facility. Additionally, due to concerns of holding matches at the multi-purpose, city-owned Sullivan Arena where UAA Hockey games now take place, the new UAA facility will incorporate a competition ice arena capable of seating 3,000 to 4,000 fans.

UAA Student Support Services and Student Union Building
FY23-FY27 (GF: $172,000.0, NGF: $0.0, Total: $172,000.0)
The Student Administration and Student Services functions are currently dispersed on and off campus. Student advising, financial aid and enrollment services where moved off campus to the University Center in 2003; while Disability Support Services, Native Support Services, the Multicultural Center, Student Health and Counseling Clinic are located in Rasmuson Hall; and Student Government and Administration are located in the Student Union with various other student support functions scattered in other buildings. This makes it difficult and confusing for students that may need to access several of these groups, often times in conjunction with each other. Add to the fact that the University Center is approximately 2.5 miles from the main campus and shuttle service and times are limited for providing access to students without personal transportation. In order to better meet the needs of prospective, new and existing students, these offices should be consolidated into one facility that is

conveniently located in the campus core or near a gateway to the campus that is easily identifiable to those coming to campus.

Additionally, through interviews and assessments conducted during the 2013 UAA Campus Master Plan Revision, faculty, staff, and students highlighted the need to have these student support functions relocated to the campus core, as well as address the shortfall of individual student and small group study and project collaboration space. The current 45,000 gross sqft. Student Union, constructed in 1977 and open in 1978, was designed to support the Anchorage Community College, which had less than a third of the current UAA enrollment of over 15,000 students.

UAA Student Housing
FY23-FY27 (GF: $5,000.0, NGF: $0.0, Total: $5,000.0)
UAA has been evolving into a more traditional university campus with the community campuses preparing and then feeding more students to the main campus. With more students coming to UAA from outlying areas and rural communities, there is a growing need to increase the amount of student housing on campus. A 2011 Housing Study indicated that the campus could support at least 500 additional housing beds and in 2013, the UAA Chancellor established a long term goal to double the campus housing capacity within the next ten years. UAA plans to explore Public Private Partnership opportunities as a potential means to expand the existing housing capacity to a total of 2,000 beds by 2023.

UAA PWSC Outdoor Recreation Leadership Center
FY23-FY27 (GF: $3,000.0, NGF: $0.0, Total: $3,000.0)
The PWSC Outdoor Recreational Leadership Program would be based in Valdez with a partnership component with Kenai Peninsula College (KPC). The PWSC/KPC partnership will provide enhanced opportunities for students to learn in two very diverse topographical regions, both of which afford multiple – but differing – field experience in parks and outdoor recreational tourism. The geographic areas of Prince William Sound and the Kenai Peninsula and their surroundings would make this program a draw for students, potentially from out of state with the hope of drawing them and keeping them in Alaska.

Similar programs in the U.S. are successful in large part due to their geographic locations as well as the curriculum programming. PWSC has been at work for nearly 3 years researching, planning, and designing a unique Outdoor Recreational Leadership program that helps fill a workforce development hole while potentially drawing students into the State of Alaska. The program will provide a high level of flexibility for students to tailor their students to their specific interests and skills, and will partner with federal/state/municipal parks, the regional recreational and tourism industry, and other partners, seating an advisory council made up of representatives from these areas.

The program's curriculum is developed, and faculty for the program are accessible in the areas where the program is to be delivered, but a facility with which to most effectively house the program and its equipment is needed. Such a facility would provide not only appropriate equipment storage, but classroom space that can be designed to optimize instructional quality for this unique program.

Current plans without the facility are to use available resources and existing classrooms, but doing so will have an impact on existing classes and programs, and will not be fully effective. It will amount to "making do" in an effort to provide important, unique, and new programming in Alaska higher education.

UAA Mat-Su Student Housing
FY23-FY27 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
This facility will provide a student housing complex at the Mat-Su College. There is a need and demand for such housing at the campus. Mat-Su College offers certificate programs that are not available anywhere else in Alaska, thus creating the potential to attract students to these high demand job degree programs. However, without on-campus housing, these students are unable to pursue their college goals in Alaska. Housing helps to ease the transition to college, student housing opens up the opportunity for prospective students who want to stay in the Mat-Su region to attend college. The college can also serve as an intermediate step in the transition from the village to the larger institution at UAA.

UAA Mat-Su Renewable Energy Building
FY23-FY27 (GF: $1,450.0, NGF: $0.0, Total: $1,450.0)
Renewable Energy has begun to develop on the national stage in the past few years. Alaska, with all of its oil, is not immune to the need to break the dependency of oil. Over the past couple of years, the college was approached several times regarding the need in the state for wind energy training. Since then several more wind farms have been announced. Currently training for maintenance and operations is accomplished by sending technician candidates to places outside Alaska for the appropriate training. Providing this training in the state would save employers thousands of dollars. To address this need, Mat-Su College with input from business and industry, has developed the first ever Renewable Energy Program at the University of Alaska. The current program consists of an Occupational Endorsement, with plans for an Associate's Degree in the near future and a Bachelor's Degree in the more distant future.

UAF Student Recreation Center Expansion
FY21-FY22 (GF: $500.0, NGF: $0.0, Total: $500.0)
FY23-FY27 (GF: $11,500.0, NGF: $0.0, Total: $11,500.0)
This project will begin to alleviate the overcrowding and scheduling issues in the too small student recreation center. The expanded facility will provide interior recreation for Fairbanks students, staff, faculty and the community.

UAF Athletics & Recreation: Patty Center Entrance
FY23-FY27 (GF: $20,000.0, NGF: $0.0, Total: $20,000.0)
This project is the first step to connect the Patty Center, the ice arena and the student recreation center with an indoor, usable common space for student gathering and instruction.

UAF Campus (Undergraduate & Graduate) Housing Project (possible P3)
FY21-FY22 (GF: $6,500.0, NGF: $0.0, Total: $6,500.0)
FY23-FY27 (GF: $65,000.0, NGF: $0.0, Total: $65,000.0)
Adequate housing on the UAF campus is minimal. Students frequently move off campus in search of better accommodations. Some leave UAF altogether. New housing aimed at keeping students on campus may result is higher retention rates. As part of the "Student Life: Transforming the UAF Experience" project, UAF proposes to develop new student housing units. This initial housing project will be the first phase in a plan to increase the overall quality and quantity of student living options (Fairbanks Campus housing stock). Procurement method is yet to be determined but may include exploring a Public Private Partnership option. The first phase of the project will provide modern and appropriate living space for graduate students in suite style units near the core of the Fairbanks campus. The second phase will address replacing existing dormitories for undergraduate students.

UAS Student Union
FY19-FY20 (GF: $10,000.0, NGF: $10,000.0, Total: $20,000.0)
A new UAS Student Union will significantly improve the Juneau Auke Lake Campus environment and enable the university to continue improvements in student recruitment, retention, and completion. With a mission focused on student success, UAS has seen major improvement in the retention of first-time, full-time students—increasing from 58% to 72% in recent years. This achievement is based in part on creating a new and dynamic central campus in Juneau: new freshman housing, pedestrian plazas and outdoor gathering areas, improved food quality, engaging campus life activities, enhanced services for Alaska Native and rural students, and close proximity to library and learning center services. The new Student Union is expected to add significantly to these developments, making the UAS Auke Lake Campus an even more exciting and engaging setting for higher education.
The Student Union will occupy a central location on the campus, adjacent to the new freshman housing and the Egan classroom wing. It will include a new food service facility, a multipurpose assembly and meeting space, and space for student support services. It will provide expanded space and a warm, inviting atmosphere for the UAS Native and Rural Student Center—making the campus an even more inviting and supportive place for first-time college students.

The Student Union will help fulfill the goals of the UAS Campus Master Plan (2012) which seeks to support and enhance community engagement and provide venues for music, dance, theatrical, and other cultural and artistic performances. That Plan suggests that: Amenities should be built and expanded that encourage both resident and commuter students to remain on campus in order to strengthen both the social and academic aspects of campus life. This is an especially critical need during the winter months.

Juneau campus vision: Multiple gathering spaces are provided in central locations as a resource for commuter students as well as residential students. A new student union will provide expanded dining options and convenient access to student services within the campus Kwáan.

UAS currently lacks suitable venues for engaging the broader community in hosting forums, lectures, and cultural performances in spaces. For example, the university's popular Evening at Egan Lecture

Series is hosted in the Egan Library in a space that otherwise would be used for student library needs. This space lacks appropriate seating and sightlines for large audiences. Smaller venues specifically designed for the temporary installment and public demonstration of student, faculty, and visiting lecturer research and creative expression are also lacking. Current space utilized for this purpose is often in high traffic corridors and hallways that do not lend themselves to public viewings or small group discussion.

Improvements to Juneau Campus dining options and facilities are a high priority. Commuter and resident students alike would benefit from both convenient locations as well as diverse food options. With the new resident hall at the Juneau Auke Lake campus, updated and redesigned dining facilities are a high priority.

UAS Auke Lake Cultural Center
FY23-FY27 (GF: $26,100.0, NGF: $0.0, Total: $26,100.0)
Cultural experience is a vital part of student life at UAS but the Juneau campus has few venues for the presentation and performance of cultural events.

This facility will promote the arts and cultures of all peoples and cultures through education, cultural preservation, creative expression and economic development.

The UAS campus has no dedicated space for performances or large lectures or presentations. The largest lecture or performance seating capacity is currently the Egan Lecture Hall which seats only 150 people. The Egan Library design included this space in its original plan.

UAS Auke Lake Field House
FY23-FY27 (GF: $11,400.0, NGF: $0.0, Total: $11,400.0)
The UAS 2012 Campus Masterplan found that the greatest current and future space deficiency for the Juneau campus is the lack of recreational opportunity.

Infrastructure

UAA Master Plan Circulation Improvements
FY19-FY20 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
FY21-FY22 (GF: $11,500.0, NGF: $0.0, Total: $11,500.0)
One of the primary results of the 2013 Campus Master Plan investigation was identifying the need for improved vehicular, bicycle, and pedestrian access, egress, and circulation around the perimeter and within the UAA Main Campus. Several UAA, Municipality of Anchorage (MOA), and Department of Transportation projects either in planning or under construction will impact traffic patterns at UAA and within the University Medical (UMED) District. It will be to UAA's benefit to construct road and pedestrian improvements in conjunction with these traffic projects in order to improve circulation within UAA and the UMED District, and to concurrently secure MOA approval for the projects.

UAA MAPTS Kenai Ground Water Contamination Mitigation
FY19-FY20 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
The Kenai MAPTS site, approximately .75 miles from the KPC Kenai River Campus, was used for fire training from approximately 1980 to 1988. The fire suppressants used during training at the site included aqueous film forming foams, which contain PFOA and PFOS. These are emerging contaminants that the Alaska Department of Environmental Conservation became aware of in 2012 while remediation work was being conducted by UAA at the MAPTS site for diesel contaminants.

UAA Kodiak Entrance Road Realignment and Exterior Lighting
FY19-FY20 (GF: $500.0, NGF: $0.0, Total: $500.0)
FY21-FY22 (GF: $5,000.0, NGF: $0.0, Total: $5,000.0)
The Kodiak Campus is comprised of three main buildings and a couple of small outbuildings. The original Benny Benson building and the Vocational Technology building are connected and have been expanded through a series of additions. They were located on the south side of the entrance road and parking lot. In 1982 the Adult Learning Center was built and placed on the north side of the road across from the Benny Benson Building. As the student population has increased, so has the traffic entering the campus, creating a hazard for students crossing between the buildings divided north and south of the campus. In addition, there is little to no access to the backs of the buildings for fire, security and emergency personnel access. The entrance to the campus needs to be redesigned to improve the traffic flow and better promote the campus location. The parking lots are in need of resurfacing and there is inadequate lighting in the lots and outside the buildings. New and improved lighting will enhance security and energy efficiency.

UAA KPC City of Soldotna J/V Water System Loop Connection
FY23-FY27 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
Kenai Peninsula College has been working with the City of Soldotna to bring a water line to the northwestern edge of the Kenai River Campus that could tie into the water line extension project that was recently completed. The water line extension and this new connection would create a loop and provide the campus with a redundant, uninterruptable water supply.

UAA Mat-Su Roads, Circulation, & Parking Improvements
FY23-FY27 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
This project will build a road with pedestrian sidewalk from the southern Snodgrass Hall SE parking lot, northeast across a ravine, and connect to the existing parking and circulation between the Fred and Sarah Machetanz Hall and the new Glenn Massay Theater. This loop will provide better flow around campus and emergency vehicle ingress/egress. Potentially the Matanuska-Sustina Borough (MSB) will develop a loop road connecting local roads north to the new Water Tower and Trunk Road access. This requirement will be reassessed should MSB take that action first.

Additionally, with the construction of the Glenn Massay Theater, this project will assess parking utilization before, during and after class hours to determine the optimal quantity of parking necessary, and develop and construct this parking requirement.

Also, this project would provide any necessary walkways, curbing, signage, lighting, etc. to improve and complete vehicular and pedestrian circulation to and around the campus.

UAF Core Campus Parking Garage
FY23-FY27 (GF: $4,350.0, NGF: $4,000.0, Total: $8,350.0)
The construction of a parking garage on campus will provide consolidated parking, open up valuable land for future buildings, improve the appearance of the lower campus entry, and provide convenient, short-term parking for visitors and part-time students.

Land; Property and Facilities Acquisitions

UAA Adjacent Land and Property Acquisitions
FY21-FY22 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
In the UAA Master Plan, it is proposed that the University seek to acquire parcels of property that are currently for sale and/or contiguous with the current campus for future University development.

UAA Warehouse and Support Facility
FY21-FY22 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
The UAA Physical Plant is currently located in core academic space of the West Campus and is scattered across the campus in small pockets of available space. The activities of the Physical Plant are inconsistent with the academic nature of the area and are inadequate for the operations being conducted. In addition, as part of the land trade with Providence Hospital in 2005, the UAA Warehouse and Operations Yard were removed from the University Inventory. Those space requirements were greatly consolidated and are currently occupying much needed parking and academic space or require leased off-campus storage space. UAA currently leases space near the University Center which is used by General Support Services, Facilities, and the College of Engineering. There are similar properties in proximity to the Anchorage campus that could be purchased.

UAA KPC Kachemak Bay Campus Property Acquisition
FY21-FY22 (GF: $1,800.0, NGF: $0.0, Total: $1,800.0)
KPC Kachemak Bay Campus has extremely limited real estate assets. Future campus facilities and infrastructure needs will be severely hampered by the limited real estate holding. Any and all adjoining parcels should be considered for acquisition as they become available or sooner. Due to decreased property values because of the recession, purchasing these surrounding parcels in the near future is recommended.

UAA Kenai River Campus Property Acquisition
FY23-FY27 (GF: $2,235.0, NGF: $0.0, Total: $2,235.0)
Kenai Peninsula Campus is quickly becoming landlocked with fewer immediate opportunities to expand contiguously from the existing campus. The Kenai River forms the eastern boundary. Kalifonsky Beach ("K-Beach") Elementary School bounds to the west of the new Student Housing facility. There are open parcels to the north for acquisition.

UAA PWSC Millwright Shop
FY21-FY22 (GF: $2,400.0, NGF: $0.0, Total: $2,400.0)
PWSC developed and vocational millwright program and initially leased a millwright facility in 2009. The owner has leased the industrial space (2,400 SF) for a nominal fee of $1,500/month since that time.

The program has proved to be a strong success and the vocational needs of the Valdez community will require PWSC to double the enrollment of the millwright program as it expands to support mining and oil/gas extraction in addition to the maritime industries. Additionally, the community is calling for creation of additional programs in other trade skills and industries to include HVAC and refrigeration, residential building science, and other shipping and fishery support services.

A permanent facility is required to support these programs which the leased facility can no longer fully accommodate. This funding will either support a local facility purchase or potentially fund planning and design for a larger, purpose-built building in conjunction with a long term project of the PWS Borough to build a joint use vocational school adjacent to the PWSC campus.

UAF Early Childhood Education and Childcare Center
FY21-FY22 (GF: $850.0, NGF: $0.0, Total: $850.0)
The lab school is licensed by the State of Alaska Department of Health and Social Services to serve 30 children, ages 36 months through six years. The program participates with several agencies, including Alaska Native corporations that fund childcare for some of the families enrolled. In cooperation with the Early Childhood Education program at UAF CTC, the lab school provides university students with observation and practicum experiences. The primary purpose of the lab school is to provide rich observation and practicum experiences for university students studying early childhood education.

<u>Research for Alaska</u>

UAF Earthquake Detection & Tsunami Warning (Earthscope)
FY21-FY22 (GF: $5,000.0, NGF: $12,0000.0, Total: $17,000.0)
The Earthscope USArray program is a $40 million federal investment in Alaska between now and 2019 to install and operate an unprecedented network of 260 seismic sensors across the state. The sensors are slated for removal in 2019. The state should attempt to purchase these sensors for permanent operations and contract with the university as executor of a monitoring program.

This is a one-time opportunity with an effective cost share of 10-to-1 because of the National Science Foundation's upfront investment to install the equipment. In addition to seismic monitoring, NASA, NOAA, the University of California San Diego and the Canadian Forestry Wildfire Office have added meteorological stations with near real-time telemetry to 140 stations enhancing our weather monitoring and forecasting capabilities tremendously. Deliverables to the state include: earthquake tracking in all parts of Alaska, enhanced earthquake, tsunami, and extreme weather warning capacity, rapid warning notification to critical infrastructure, a monitoring backbone across the state for applications including military, navigation, research and communications.

UAF Alaska Climate Data Center
FY21-FY22 (GF: $750.0, NGF: $350.0, Total: $1,100.0)
UAF proposes to establish an Alaska Climate Data Center that prepares non-standard climate products to address stakeholder needs in the state such as: Gridded Maps for Alaska, Aviation Weather Products, Fire Weather Products, River Forecast Products, Marine Products. Climate data products can be built from available observations from various sources (government agencies, industry, researchers and local communities) and would be the mission of the proposed Alaska Climate Data Center. Such capabilities would save costs through better planning ability, improve marine safety through better weather forecasts, enable Alaskan residents and industry to prepare and respond more effectively to hazards and climate extremes, and provide detailed climate information to assist the State, communities and industry in planning and development. Such information will enhance the safety of Alaskan residents and communities and better prepare Alaska to take advantage of emerging economic opportunities.

UAF Revitalizing Alaska Native Languages (RANL)
FY21-FY22 (GF: $250.0, NGF: $250.0, Total: $500.0)
Alaska's twenty Native languages, spoken nowhere else in the world, face a difficult battle for future survival and represent a unique cultural heritage for Alaska. The knowledge embedded in Alaska Native languages spans a broad spectrum of human experience, helping indigenous peoples to understand the changing environment and how to adapt to those changes. In 2012 the Alaska Legislature established the Alaska Native Language Preservation and Advisory Council (ANLPAC), and its first report issued in 2014 includes recommendations for statewide language revitalization efforts. Leaders of language revitalization initiatives across Alaska welcomed this formal recognition and acknowledgement of the long-standing need to increase support. This request follows the ANLPAC framework and will fund a conference focused on indigenous language revitalization to establish needs and plan future action. This effort will emphasize language immersion education by providing seed funding for planning "language nests" (pre-school programs), language immersion schools, in addition to funding a proposal process through which language communities can start specific projects. Additionally, this will allow the Alaska Native Language Center and the Alaska Native Language Archive at UAF to further organize and increase access to teaching materials and other existing resources to benefit regional language programs.

Academic Equipment

UAA College of Engineering Materials Testing Lab Upgrades
FY19-FY20 (GF: $600.0, NGF: $0.0, Total: $600.0)
Screw Driven Universal Test Machines with LabView Software with training, safe and easy to use by students to conduct standard tension, compression, and bending tests with monotonic loading. Three units will be purchased at $125 thousand each for a total of $375 thousand.

Servo-Hydraulic Multiaxial (Axial, Bending, Torsion) Test Machine with LabVIEW Software with training, safe and easy to use by students to conduct standard fatigue/fracture and torsion tests of engineering materials, structures and machines. One unit will be purchased for a total of $225 thousand.

UAA Consortium Library – Library Materials for UA
FY19-FY20 (GF: $500.0, NGF: $0.0, Total: $500.0)
FY21-FY22 (GF: $600.0, NGF: $0.0, Total: $600.0)
While it has been many years since the Consortium Library received capital funding for library materials, it is appropriate to consider once again this option for the purchase of monographic materials. With the reduction in the Consortium Library's general funds of over $1 million between FY15 and FY16, the Library's capacity to acquire and share print and electronic books is diminishing. The Library is also faced with a 3-5% annual inflationary fixed cost increase in the price of scholarly monographic materials, which currently average about $93.00 per title. The inflationary increases further erode the Library's capacity to acquire and share the latest scholarly publications.

UAF Classroom Instructional & e-Learning Technology
FY21-FY22 (GF: $2,000.0, NGF: $0.0, Total: $2,000.0)
This request will install and/or upgrade instructional technologies in 50 classrooms throughout the UAF campuses. Installations and upgrades will include presentation and distance delivery technologies, videoconferencing, lecture capture and mobility.

UAS Smart Classrooms at the Juneau Campus
FY21-FY22 (GF: $250.0, NGF: $0.0, Total: $250.0)
The UAS Juneau campus continues to expand course offerings and degree programs using state of the art technology both on campus and for distance education. Our students continue to come to us with increased technological skills and we have a responsibility to ensure we offer high tech experiences for them. Smart classroom technology provides both faculty and students increased flexibility by allowing different forms of information to be presented and provides enhanced learning experiences wherever a student resides. Smart classrooms allow interactivity by learners in the classroom and easy access to online information as well as other on-line tools that would not otherwise be easily accessible for all.

Importantly, smart classrooms provide an environmentally friendly and sustainable means of providing students with the materials they need to succeed. Research on smart classrooms demonstrates increased student learning, student collaboration and student participation. it has been many years since the

University of Alaska
FY2018 Priority Deferred Maintenance (DM) and Renewal and Repurposing (R&R) Projects
State Appropriations *(in thousands of $)*

Project Name		DM & R&R
UAA Main Campus		
Campus Building Envelope & Roof Systems Renewal		1,000.0
Campus Building Interior & Systems Renewal		1,000.0
Campus Exterior Infrastructure and Signage Renewal		900.0
University Lake Annex, UPD Relocation		1,800.0
EM1 and EM2 Mechanical		2,500.0
Consortium Library Old Core Mechanical Upgrades		5,500.0
Social Sciences Building Renewal		500.0
	UAA Main Campus Subtotal	13,200.0
UAA Community Campuses		
KPC Campus Renewal		914.0
Kodiak College Campus Renewal		506.0
PWSC Campus Renewal		433.0
Mat-Su Campus Renewal		965.0
KPC Kachemak Bay Campus Renewal		232.0
	UAA Community Campuses Subtotal	3,050.0
	UAA DM and R&R Total	16,250.0
UAF Main Campus		
Building Envelope & Roof Systems Renewal		4,500.0
Fairbanks Campus Building Interior & Systems Renewal		21,765.0
Campus Infrastructure and Signage Renewal		3,740.0
Regulatory Compliance - ADA, Title IX, & Transgender		500.0
	UAF Main Campus Subtotal	30,505.0
UAF Community Campus		
Rural Community Campus Renewal		750.0
Community & Technical College Renewal		245.0
	UAF Community Campus Subtotal	995.0
	UAF DM and R&R Total	31,500.0
UAS Main & Community Campuses		
Roof Replacement		700.0
Juneau Campus R&R		1,523.8
	UAS Campuses Subtotal	2,223.8
Statewide		
Butrovich Lighting Upgrades		810.0
Butrovich Building Repairs		600.0
University House Repairs		75.0
	Statewide DM and R&R Total	1,485.0
	UA FY2017 DM and R&R Total	51,458.8
Additional DM and R&R		
UAA Main Campus		256,221.8
UAA Community Campuses		13,715.4
UAF Main Campus		643,591.4
UAF Community Campuses		37,015.5
UAS Main		4,529.0
Statewide		2,261.5
	UA System Additional DM and R&R Total	957,334.6
	UA DM and R&R Total	1,008,793.4

UAA Main Campus

UAA Campus Building Envelope & Roof Systems Renewal

GF: $1,000.0, NGF: $0.0, Total: $1,000.0

This project will address campus-wide deferred maintenance and renewal and renovation requirements for building envelope and roof systems. It will include roof repair and replacement, doors, windows, vapor barriers, siding, weatherization, insulation; and other building envelope issues.

UAA Campus Building Interior & Systems Renewal

GF: $1,000.0, NGF: $0.0, Total: $1,000.0

Many of the original buildings on the UAA Campus were constructed in the early- to mid-1970s and the building systems are beginning to fail and are no longer adequate for the current demands and require replacement or upgrading. The Mechanical, Electrical and HVAC systems in particular fall into this category. Replacement parts for many of these systems are no longer available. The older systems are very expensive to operate due to their low efficiencies. Replacement of these systems would allow for increased energy efficiencies and better environmental control throughout the building. This project will replace failing piping, inadequate electrical systems, inefficient lighting, boilers, fans, deficient VAV boxes and upgrade the building automation system controls.

UAA Campus Exterior Infrastructure and Signage Renewal

GF: $900.0, NGF: $0.0, Total: $900.0

The UAA campus is over 30 years old and many of the roads, trails, sidewalks, parking areas, curbs and gutters are part of the original construction or have been impacted by construction, repair and renovation projects over the years. This results in uneven surfaces, lack of adequate sidewalks and other deficiencies that pose a safety hazard or are increasingly susceptible to additional damage. Increased enrollment and subsequent staffing increases dictate a need to upgrade and repair these surfaces in order to maintain a safe and effective environment for students, staff and the public, as well as a need to provide adequate exterior wayfinding signage.

UAA University Lake Annex, UPD Relocation

GF: $1,800.0, NGF: $0.0, Total: $1,800.0

The UAA University Police Department (UPD) is currently located in the first floor, Eugene Short Hall in the West Campus Zone. This is an administrative service housed in the most used classroom building on campus. Other UPD facilities were spread across campus due to the lack of administrative support space in Eugene Short Hall, such as the Weapons Room being located in Rasmuson Hall and the Evidence Locker in various storage areas as available.

Patrol car parking and egress from the assigned parking lot is problematic in emergencies or when responding to calls. In all instances, officers must exit thru the Professional Studies Building West Parking Lot, north to West Campus Drive, then meander thru secondary roads to the rest of campus or make two left turns across traffic to get back to Providence Drive, the main arterial crossing campus.

The University Lake Annex (ULA) building was originally built in 1983. Emergency Management and recently Parking Services are current occupants of the north side of the building. College of Engineering has resided in the southern 2/3 of the building while waiting for the new Engineering and Industry Building to be constructed and the original Engineering Building to be renewed. The building is 9,000 gross sqft. and renovation will UPD will occupy 6,450 sqft. of the building. Parking Services and Emergency Service Management occupy the remainder of the building.

Moving UPD to ULA was an option in the 2013 UAA Campus Master Plan, which defined use of this space for mixed use, retail, services, parking, or student housing. Collocating UPD, Emergency Management and Parking Services together creates a mutually supporting environment to provide services to faculty, staff, students and visitors on the edge of campus and protection closest to our 24/7 student residents and extended-hours Consortium Library operation.

UAA EM1 and EM2 Mechanical
GF: $2,500.0, NGF: $0.0, Total: $2,500.0
The Energy Modules (EM1, EM2) were constructed in 1977 and provide heating and cooling services for a number of campus facilities. The Energy Module boilers, pumps and piping systems are over 30 years old and has been failing due to age, corrosion and fatigue. Many of these failures have occurred during the winter months when additional stresses are placed on the systems due to increased heating demands and environmental impacts. These failures further impact other systems, thus driving up the associated costs. Emergency repairs are very expensive and have a severe impact on students, faculty and staff working in the buildings served by these modules.

UAA Consortium Library Old Core Mechanical Upgrades
GF: $5,500.0, NGF: $0.0, Total: $5,500.0
The original HVAC systems consist, for the most part, of equipment over 29 years old located within the four central building cores. The boilers, main supply/exhaust fan units, heating/cooling coils, galv. piping and humidification systems have all reached the end of their useful life. Major component parts are no longer available for these units. Control systems are no longer able to properly regulate air flow resulting in irregular temperatures and conditions within the building. The 2004 Library addition contains newer HVAC systems with different control and delivery systems that have resulted in incompatibilities between the two systems and has affected the efficiencies of both systems.

UAA Social Sciences Building Renewal
GF: $500.0, NGF: $0.0, Total: $500.0
Social Sciences Building (SSB) was built in 1974 and used extensively for office, classroom and lab space, as well as the Central Information Systems Control Center (IT Services). It was originally built with a relocatable wall system that is no longer functional. This building will require extensive renovations to meet current operational, energy efficiency, code and safety requirements.

UAA Community Campuses

KPC Campus Renewal

GF: $914.0, NGF: $0.0, Total: $914.0

The Kenai River Campus includes four buildings built between 1971 and 1983. Each building is of different quality having been constructed using different construction methods and materials, and energy efficiencies. With the exception of some painting and the Ward Building renewal in 2005, the exteriors of these buildings have not been upgraded since they were built. A number of roofs are at or have exceeded their life cycle at the Kenai River Campus. Some roofs contain asbestos products which will require some abatement prior to replacement. The campus is spending too much money on utility costs due to the inefficiencies of the old buildings. With rapidly increasing utility costs, the energy savings realized by this renewal would be significant. Some of the original methods of construction included single pane windows, door glass, and aluminum store fronts that do not block the cold and increase utility costs and extreme campus-user discomfort during the extreme winters. Many of the entrances are not covered and allow the buildup of ice and snow at the critical slip/trip points at the building entrances. In addition to gaining additional instruction space and significantly increased energy efficiencies, this project will create a positive first impression for visitors and prospective students.

The McLane Building additions were all constructed between 1972 and 1976 and the original air handling units are in place. The air handling equipment and associated duct work in these buildings cannot supply the quantities of air required by current mechanical standards. The University needs to replace the heat plant and air handling equipment for these facilities prior to a catastrophic failure results in and emergency replacement.

Kodiak College Campus Renewal

GF: $506.0, NGF: $0.0, Total: $506.0

The buildings on the Kodiak Campus were constructed in the early to mid-1970s. The exteriors are painted wood siding that are being impacted by the exposure to the extreme climate conditions of Kodiak. The original windows suffer from worn seals that cause air infiltration. The mechanical and electrical systems are in need of renewal to meet the increased student demand and increased use of new technology. Roofing repairs are required, specifically for the Campus Center. Parking lot lighting repair and upgrades are required until the Kodiak Road Realignment and Exterior Lighting project is completed. Improvements to layout and design will increase space efficiency and allow for replacement of worn and outdated fixed equipment.

PWSC Campus Renewal

GF: $433.0, NGF: $0.0, Total: $433.0

The Growden-Harrison building was originally build shortly after the 1964 earthquake as an Elementary school and was added onto in a piecemeal fashion in the following years. This has resulted in aging mechanical, electrical, HVAC systems that are currently undersized for the facility and have included the use of asbestos containing materials. The piecemeal additions have resulted in draining and weathering problems that adversely impact the building envelope.

Mat-Su Campus Renewal
GF: $965.0, NGF: $0.0, Total: $965.0
This project will address campus-wide deferred maintenance issues and renewal and renovation requirements for the Mat-Su Campus.

KPC Kachemak Bay Campus Renewal
GF: $232.0, NGF: $0.0, Total: $232.0
A significant portion of the Kachemak Bay Campus Building was originally built in 1988 as a post office. The roof and mechanical/electrical systems are original and were not updated as part of the campus addition in 2006.

UAF Main Campus

UAF Building Envelope & Roof Systems Renewal
GF: $4,500.0, NGF: $0.0, Total: $4,500.0
Projects within this category will address deferred maintenance and renewal and renovation requirements for building envelope and roof systems. They include roof repair and replacement, doors, windows, vapor barriers, painting, siding, weatherization, insulation, foundations, and other building envelope issues.

UAF Fairbanks Campus Building Interior & Systems Renewal
GF: $21,765.0, NGF: $0.0, Total: $21,765.0
Many of the buildings in the UAF system were constructed in the 1960s and 1970s and the building interiors and systems are in very poor shape and beginning to fail; they are no longer adequate for the current demands and require replacement or upgrading. The mechanical, electrical and HVAC systems in particular fall into this category. Replacement parts for many of these systems are no longer available. Many of the systems are expensive to operate due to their low efficiencies. Replacement of these systems will allow for increased energy efficiencies, more attractive interiors, and better environmental control throughout UAF's facilities. Projects in this category will replace failing piping, inadequate electrical systems, inefficient lighting, damaged finishes, fans, deficient VAV boxes and upgrade the building automation system controls.

UAF Campus Infrastructure and Signage Renewal
GF: $3,740.0, NGF: $0.0, Total: $3,740.0
The severe Fairbanks climate takes a toll on the many roads, trails, sidewalks, parking areas, curbs and gutters across our campus creating uneven surfaces, lack of adequate sidewalks and other deficiencies that pose a safety hazard or are increasingly susceptible to additional damage. Repairing and upgrading these surfaces is required in order to maintain a safe, accessible, and effective environment for students, staff and the public. Adequate exterior wayfinding signage is critical to creating a safe and accessible campus.

UAF Regulatory Compliance - ADA, Title IX, & Transgender
GF: $500.0, NGF: $0.0, Total: $500.0
Complying with regulations including the Americans with Disabilities Act and Title IX, and accommodating transgender students, staff and faculty is a top priority at UAF. Remaining in compliance requires an on-going effort to modify and upgrade exterior hardscapes, elevators, building passageways, toilet and locker rooms, signage and security infrastructure.

UAF Community Campuses

Rural & Community Renewal
GF: $750.0, NGF: $0.0, Total: $750.0
Funding for renewal and regulatory compliance requirements at CRCD facilities including Bristol Bay Campus, Chukchi Campus, Kuskokwim Campus, Northwest Campus, Interior Alaska Campus, and Brooks Building.

Community & Technical College Renewal
GF: $245.0, NGF: $0.0, Total: $245.0
Funding for renewal and regulatory compliance requirements at Community & Technical College (CTC) facilities including CTC's main building (604 Barnette Street), Bunnell House and UAF Aviation Facility.

UAS Main & Community Campuses

Roof Replacement
GF: $700.0, NGF: $0.0, Total: $700.0
This project will replace roofs at or nearing their life expectancy. Facilities anticipated in the plan include the Robertson Building in Ketchikan and portions of the Technical Education Center in Juneau.

Juneau Campus R&R
GF: $1,523.8, NGF: $0.0, Total: $1,523.8
This funding will address the following high priority needs across the Juneau campus: Auke Lake pedestrian guardrail replacement; Anderson building-replace saltwater piping in vault; Hendrickson building-replace mansard; Soboleff building-replace ceramics studio overhead door and elevator; Mourant building-replace exterior windows; Egan library-replace siding; Marine technology building-renew or replace welding shop smoke eliminator and replace fire alarm panel; and Marine Core building-replace motor control center and curtain wall system.

Statewide

Butrovich Lighting Upgrades
GF: $810.0, NGF: $0.0, Total: $810.0
In 2010, a lighting study was conducted for the Butrovich Building to evaluate the efficiency and condition of the existing fixtures and controls. Based on the findings of this survey, there were 7 recommendations made to increase the energy efficiency of the building and reduce the operating costs for maintaining the buildings lighting systems. During the summer of 2014, a "Daylight

Harvesting" project was completed on the north side of the building to correct issues with an earlier system that had been installed but failed to work properly, which addressed part of one of the recommendations from the report. That project has proven to be successful and is working as designed. This project will complete the rest of the recommendations from the 2010 Study.

Butrovich Building Repairs
GF: $600.0, NGF: $0.0, Total: $600.0
The Butrovich building was constructed in 1988 and is at a point where many of its building components are reaching their life cycle end. Over the next five to ten years many of the main mechanical systems will come due for replacement or refurbishing.

University House Repairs
GF: $75.0, NGF: $0.0, Total: $75.0
The University house is over 20 years old has reached a point where systems and components will need to be repaired or replaced as they are at the end of their useful life. The building envelope needs to be maintained to ensure that the structure remains sound. Replacement of roof should be completed within the next 3-7 years and exterior surfaces need to be inspected, repaired or replaced and refinished.

References

University of Alaska
FY2018 Deferred Maintenance (DM) and Renewal & Repurposing (R&R)
Distribution Methodology
(Based on Age, Size, and Value of Facilities)

	Location	# of Bldgs	Average Age (years)	Weighted Avg. Age (years)	Gross Area (sq. feet)	Adjusted Value (thousands)	Index (GSF and Age)	Dist. % *	DM Model
Anchorage Campus	*Anc.*	69	25.2	20.0	2,832,420	1,156,325.7	56,551.2	25.5%	12,765.9
UAA Community Campus		30	22.3	22.0	450,181	217,238.2	9,917.1	5.8%	2,879.7
Kenai Peninsula College	*Soldotna*	*8*	*25.8*	*21.5*	*157,163*	*72,836.7*	*3,382.4*	*1.7%*	
Kachemak Bay	*Homer*	*3*	*16.0*	*28.6*	*25,787*	*12,440.5*	*738.0*	*0.5%*	
Kodiak College	*Kodiak*	*5*	*38.8*	*39.5*	*44,981*	*22,350.1*	*1,778.6*	*1.1%*	
Matanuska-Susitna College	*Palmer*	*8*	*22.9*	*21.9*	*154,983*	*76,895.4*	*3,395.9*	*2.1%*	
Prince Wm. Sound College	*Valdez*	*6*	*6.5*	*9.2*	*67,267*	*32,715.6*	*622.2*	*0.4%*	
	UAA Total	99	24.3	20.2	3,282,601	1,373,563.9	66,468.3	31.3%	15,645.6
Fairbanks, CRCD & CTC	*Fbks.*	252	36.0	33.2	3,496,905	1,592,054.4	116,079.3	56.6%	28,313.8
UAF Community Campuses		30	30.8	31.5	132,222	106,193.3	4,166.6	4.2%	2,104.6
Bristol Bay Campus	*Dillingham*	*3*	*14.0*	*22.2*	*20,217*	*13,982.3*	*449.3*	*0.5%*	
Chukchi Campus	*Kotzebue*	*1*	*39.0*	*39.0*	*10,362*	*9,228.8*	*404.1*	*0.4%*	
Interior-Aleutians Campus	*Multiple*	*5*	*27.2*	*34.2*	*29,111*	*21,813.0*	*995.5*	*0.9%*	
Kuskokwim Campus	*Bethel*	*7*	*31.3*	*30.0*	*51,774*	*43,087.6*	*1,554.6*	*1.7%*	
Northwest Campus	*Nome*	*14*	*34.9*	*36.8*	*20,758*	*18,081.6*	*763.1*	*0.8%*	
	UAF Total	282	35.4	33.1	3,629,127	1,698,247.8	120,245.9	60.8%	30,418.4
Southeast Campus	*Juneau*	33	25.2	19.2	452,127	172,053.9	8,665.6	4.3%	2,162.0
UAS Community Campus		5	12.4	7.2	115,908	49,233.0	831.4	0.5%	248.0
Ketchikan Campus	*Ketchikan*	*4*	*14.8*	*13.1*	*47,850*	*25,821.0*	*627.3*	*0.4%*	
Sitka Campus	*Sitka*	*1*	*3.0*	*3.0*	*68,058*	*23,412.0*	*204.2*	*0.1%*	
	UAS Total	38	23.5	16.7	568,035	221,286.9	9,497.1	4.8%	2,410.0
Statewide	*Various*	9	36.7	34.6	220.1	82,671.4		3.1%	1,526.0
	SW Total	9	36.7	34.6	220,050	82,671.4	7,618.0	3.1%	1,526.0
	UA Total	428	31.8	26.5	7,699,813	3,375,770.0	203,829.2	100.0%	50,000.0

Facility data from 2015 Facilities Inventory

*This distribution is based on the individual building age and adjusted value by campus

University of Alaska
Capital Budget Request vs. State Appropriation
FY2008-FY2017
(in thousands of $)

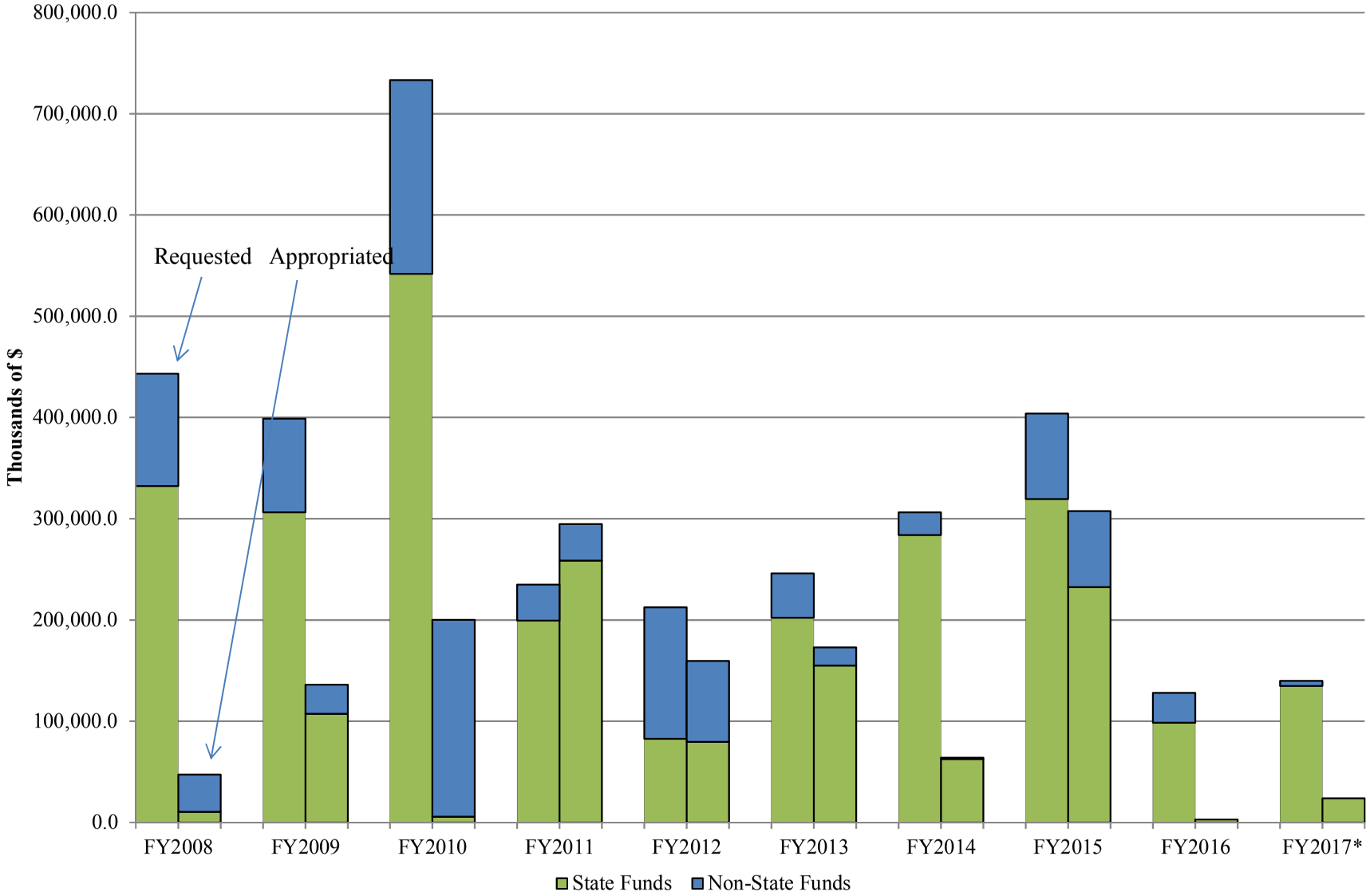
Request	Renewal and Repurposing	Add/Expand	New Facilities	Equipment	Other[1]	Total
FY2008	131,016.0	6,395.0	186,500.0	7,874.7	550.0	332,335.7
FY2009	114,000.0	2,000.0	163,870.0	26,000.0	550.0	306,420.0
FY2010	204,130.0		194,495.0	90,000.0	53,150.0	541,775.0
FY2011	100,000.0		99,375.0			199,375.0
FY2012	70,433.0				12,092.5	82,525.5
FY2013	187,500.0				14,700.0	202,200.0
FY2014	162,500.0		108,900.0		12,500.0	283,900.0
FY2015	37,500.0		273,900.0		7,900.0	319,300.0
FY2016	50,000.0		35,550.0		13,000.0	98,550.0
FY2017	100,000.0		34,800.0			134,800.0
Total	1,157,079.0	8,395.0	1,097,390.0	123,874.7	114,442.5	2,501,181.2
10 yr. Avg	115,707.9	839.5	109,739.0	12,387.5	11,444.3	250,118.1

Approp.	Renewal and Repurposing	Add/Expand	New Facilities	Equipment	Other[1]	Total
FY2008	8,200.0	275.0	1,250.0		640.0	10,365.0
FY2009	45,822.6		61,300.0		125.0	107,247.6
FY2010	3,200.0		2,500.0			5,700.0
FY2011	43,694.7		213,896.7	400.0	558.5	258,550.0
FY2012	39,500.0	2,000.0	35,800.0		2,204.0	79,504.0
FY2013	37,950.0		108,900.0		8,040.0	154,890.0
FY2014	30,000.0		30,000.0		2,588.7	62,588.7
FY2015	19,273.0		212,600.0	120.0	450.0	232,443.0
FY2016	3,000.0					3,000.0
FY2017[2]	10,000.0					10,000.0
Total	240,640.3	2,275.0	666,246.7	520.0	14,606.2	924,288.3
10 yr. Avg	24,064.0	227.5	66,624.7	52.0	1,460.6	92,428.8

[1] Includes research, small business development center and other capital funding requests or appropriations

[2] Reallocated from state appropriated operating funding to capital projects.

University of Alaska
Capital Request and Appropriation Summary
FY2008-FY2017



* Reallocated from state appropriated operating funding to capital projects.

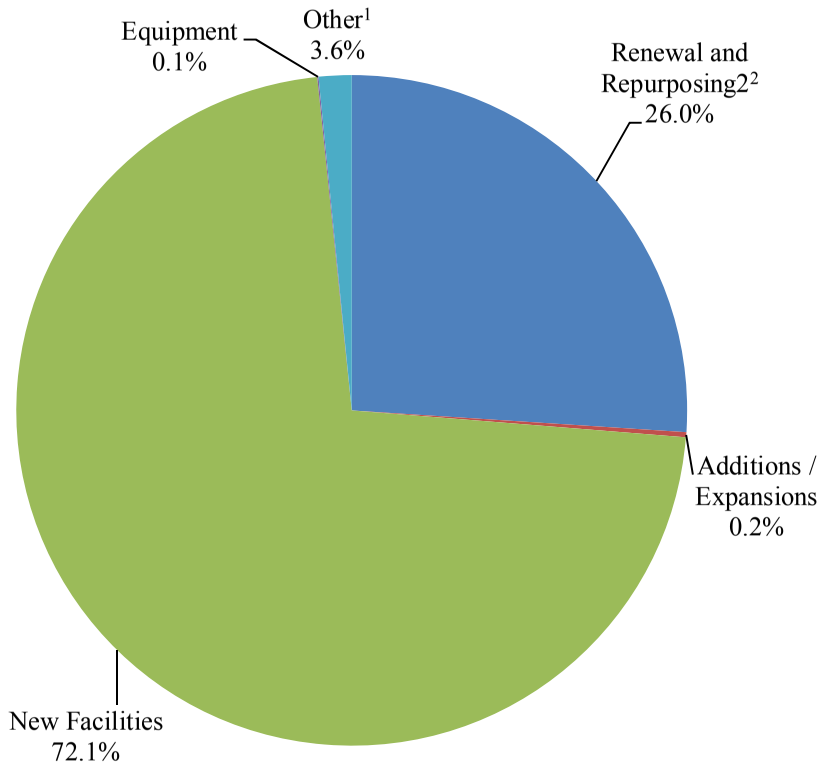
University of Alaska
State Appropriation Summary by Category
FY2008-FY2017
(in thousands of $)

Campus	Location	Renewal and Repurposing[2]		Additions / Expansions		New Facilities		Equipment		Other[1]		Total	
Anchorage Campus	Anchorage	57,304.4	23.8%	275.0	12.1%	278,700.0	41.8%			2,950.0	20.2%	339,229.4	36.7%
Kenai Peninsula College	Soldotna	4,686.7				32,300.0				50.0		37,036.7	
Kachemak Bay	Homer	925.8				2,750.0				100.0		3,775.8	
Kodiak College	Kodiak	2,402.4	8.2%				8.9%				1.0%	2,402.4	8.6%
Matanuska-Susitna College	Palmer	4,315.6				23,500.0						27,815.6	
Prince Wm. Sound College	Valdez	7,497.9				1,050.0						8,547.9	
	UAA	77,132.9	32.1%	275.0	12.1%	338,300.0	50.8%			3,100.0	21.2%	418,807.9	45.3%
Fairbanks Campus	Fairbanks	106,930.0				323,946.7				10,728.3		441,605.0	
Fairbanks Campus	Juneau		44.6%				48.6%				73.4%		47.8%
Fairbanks Campus	Palmer	300.0										300.0	
Fairbanks Campus	Seward												
Community Campuses	Various	283.0								53.5		336.5	
Bristol Bay Campus	Dillingham	193.0								16.8		209.8	
Chukchi Campus	Kotzebue												
Interior Alaska Campus	Tok	140.0										140.0	
Interior Alaska Campus	Fort Yukon	7.3	5.0%								0.9%	7.3	1.3%
Interior Alaska Campus	Fairbanks	47.7								11.4		59.1	
Kuskokwim Campus	Bethel	7,042.5								12.9		7,055.4	
Northwest Campus	Nome	4,433.0								5.1		4,438.1	
Fairbanks Campus (CES)	Kenai									90.0		90.0	
UAF Comm. & Tech. College	Fairbanks	13,187.0	5.5%							44.9	0.3%	13,232.0	1.4%
	UAF	132,563.6	55.1%			323,946.7	48.6%			10,962.8	75.1%	467,473.1	50.6%
Juneau Campus	Juneau	24,625.9	10.2%	2,000.0	87.9%	4,000.0	0.6%	520.0	100.0%	394.0	2.7%	31,539.9	3.4%
Ketchikan Campus	Ketchikan	2,099.8	1.3%							30.4	0.4%	2,130.2	0.3%
Sitka Campus	Sitka	1,040.2								30.4		1,070.6	
	UAS	27,765.9	11.5%	2,000.0	87.9%	4,000.0	0.6%	520.0	100.0%	454.7	3.1%	34,740.6	3.8%
Statewide	Fairbanks	3,178.0	1.3%							88.7	0.6%	3,266.7	0.4%
Systemwide	Systemwide												
	SW	3,178.0	1.3%							88.7	0.6%	3,266.7	0.4%
	UA Grand Total	240,640.3	100.0%	2,275.0	100.0%	666,246.7	100.0%	520.0	100.0%	14,606.2	100.0%	924,288.3	100.0%
	% of Total	26.0%		0.2%		72.1%		0.1%		1.6%		100.0%	

[1] Includes research, small business development center and other capital appropriations

[2] Reallocated from state appropriated operating funding to capital projects.

State Appropriation Summary by Category FY2008 -FY2017



New Facilities and Major Expansions

UAA
Kachemak Bay Campus New Facility (FY08, Reapprop FY10, FY11)
Health Sciences Building (FY09)
Engineering Building (FY11, FY13, FY14, FY15)
Kenai Peninsula College Campus Student Housing (FY11, FY12)
Kenai Peninsula College Campus Career
& Technical Education Center (FY11)
Matanuska-Susitna Campus Valley Center for Art & Learning (FY11)
Alaska Airlines Center (FY09, FY11, FY12)

UAF
Engineering Building (FY11, FY13, FY14, FY15)
Life Sciences Classroom and Laboratory Facility (FY11)
Heat & Power Plant Major Upgrade (FY15)

UAS
Banfield Hall Dormitory Addition (FY12, FY13)

[1] Includes research, small business development center and other capital appropriations.
[2] Reallocated from state appropriated operating funding to capital projects.