Proposed
FY23 Supplemental
Operating Budget Distribution Plan
(in thousands of $)

The supplemental budget bill (HB39), includes a $6.5 million increase to the Unrestricted General Fund (UGF) appropriation for UA's retroactive compensation increases. This funding will provide a retroactive 3% salary increase negotiated for faculty and an additional 1% salary increase for staff (UA staff received a 2% pay increase in FY23).

	UA Board of Regents' Budget (Revised)			Final Legislation SLA22 HB 281 & HB 282 SLA23 HB 39 (Pending Gov's Action)		
	Unrestricted General Funds (UGF)	Designated, Federal and Other Funds	Total Funds	Unrestricted General Funds (UGF)	Designated, Federal and Other Funds	Total Funds
FY22 Operating Budget	**272,733.5**	**522,641.8**	**795,375.3**	**272,733.5**	**522,641.8**	**795,375.3**
Adjusted Base Requirements						
Compensation	5,057.6		5,057.6	4,357.6		4,357.6
Compensation (UNAC, 1% Staff)	6,460.9		6,460.9	6,460.9		6,460.9
Cyber Security & Transition to Cloud	1,000.0		1,000.0	1,000.0		1,000.0
Insurance Premiums	2,000.0		2,000.0	2,000.0		2,000.0
Facilities Maintenance	3,440.0		3,440.0	1,000.0		1,000.0
Efficiencies	(1,640.0)		(1,640.0)			
Adjusted Base Subtotal	**16,318.5**	**-**	**16,318.5**	**14,818.5**	**-**	**14,818.5**
Programs						
UAA Health Programs	3,500.0		3,500.0	3,500.0		3,500.0
Alternate Energy Research	2,000.0		2,000.0	2,000.0		2,000.0
Teacher Practicum / Student Teaching - Small Pilot				1,000.0		1,000.0
Health Care Clinicals - Small Pilot				1,000.0		1,000.0
Programs Subtotal	**5,500.0**	**-**	**5,500.0**	**7,500.0**	**-**	**7,500.0**
Budget Adjustments						
Federal Receipt Authority		50,000.0	50,000.0		50,000.0	50,000.0
Mental Health Trust (MHT)	100.0		100.0	100.0		100.0
Tech. Voc. Ed. Prog. (TVEP)		72.3	72.3		72.3	72.3
Budget Adjustment Subtotal	**100.0**	**50,072.3**	**50,172.3**	**100.0**	**50,072.3**	**50,172.3**
Operating Budget Changes	**21,918.5**	**50,072.3**	**71,990.8**	**22,418.5**	**50,072.3**	**72,490.8**
FY23 Operating Budget Total	**294,652.0**	**572,714.1**	**867,366.1**	**295,152.0**	**572,714.1**	**867,866.1**

Approved by BOR 5/26/2023

Proposed
FY23 Supplemental
Capital Budget Distribution Plan

(in thousands of $)

The supplemental budget (HB39), includes a $60.0 million net decrease to UA's federal receipt authority. This includes a partial repeal ($64.0 million) of federal authority received for UAF's Seward Marine Center Research Vessel Infrastructure project and $4.0 million for the first phase of UAA's Health Workforce Expansion and Diversity project.

	UA Board of Regents' Budget (Revised)			Final Legislation SLA22 HB281 SLA23 HB39 (Pending Gov's Action)		
	State Funds	Non-State Funds	Total Funds	State Funds	Non-State Funds	Total Funds
Facilities Deferred Maintenance (DM) / Renewal & Repurposing (R&R)	**50,000.0**		**50,000.0**	**27,700.0**		**27,700.0**
UAA Main Campus	*12,500.0*		*12,500.0*	*4,100.0*		*4,100.0*
UAA Community Campuses	*3,100.0*		*3,100.0*			
UAF Main Campus and Community & Technical College (CTC)	*28,900.0*		*28,900.0*	*23,000.0*		*23,000.0*
UAF Community Campuses	*2,200.0*		*2,200.0*			
UAS Main & Community Campuses	*3,100.0*		*3,100.0*	*600.0*		*600.0*
UA System Office	*200.0*		*200.0*			
Student IT Systems - Modernization and Security Upgrades	**20,000.0**		**20,000.0**	**20,000.0**		**20,000.0**
Economic Development - Research and Workforce Training Projects		**31,490.0**	**31,490.0**			
UAF Seward Marine Center Research Vessel Infrastructure		**94,400.0**	**94,400.0**		**94,400.0**	**94,400.0**
Supplemental						
UAF Seward Marine Center Research Vessel Infrastructure					*(64,000.0)*	*(64,000.0)*
UAA Health Workforce Expansion and Diversity Funding					*4,000.0*	*4,000.0*
FY23 Final Capital Budget Total	**70,000.0**	**125,890.0**	**195,890.0**	**47,700.0**	**34,400.0**	**82,100.0**

Approved by BOR 5/26/2023

Seward Marine Center Research Vessel Infrastructure (-$64 million)
The grant award was not received for the Seward Marine Center Research Vessel Infrastructure. Potential remains for some elements to be funded in the near-term. This change leaves $30.4 million in federal receipt authority related to this project in the event another grant opportunity becomes available.

UAA Health Workforce Expansion and Diversity Funding ($4 million)
Leading the way on growth through renovation and workforce development, the Health Workforce Expansion and Diversity project proposes to renovate the Sally Monserud Hall to expand the University of Alaska Anchorage's (UAA) College of Health (CoH) health workforce clinical training facilities including, increased laboratory space and remote learning technologies.

The Economic Development Administration (EDA) has informed UAA that they will be receiving the Health Workforce Expansion and Diversity Funding. The total award is $5.0 million, of which $4.0 million is federal funding from the FY21 American Rescue Plan Act (ARPA) via the Economic Adjustment Assistance fund and $1.0 million is match funding from UAA.

The funding is for the Sally Munson Hall retrofit that implements various components of the University of Alaska Anchorage (UAA) College of Health Workforce and Diversity project including:

- Creation of both a certified nurse assistant and a sonography lab.
- Development of HyFlex Classrooms that allow for in-person and online attendance.
- Building a surgical tech lab that includes a surgical technology simulated operatory room.
- Administrative offices, shared tech workstations, a student study space, and laundry facilities.

Approved by BOR 5/26/2023

University of Alaska
FY23 Operating Budget Summary
Board of Regents Compared to Final Legislation

(in thousands of $)

	UA Board of Regents' Budget (Revised)[1]			Final Legislation HB 281 & HB 282 (Pending Gov's Action)			Final over/ (under) BOR
	Unrestricted General Funds (UGF)	Designated, Federal and Other Funds[2]	Total Funds	Unrestricted General Funds (UGF)	Designated, Federal and Other Funds[2]	Total Funds	UGF
FY22 Operating Budget	**272,733.5**	**522,641.8**	**795,375.3**	**272,733.5**	**522,641.8**	**795,375.3**	**0.0**
Adjusted Base Requirements							
Compensation (Original & L6070)	5,057.6		5,057.6	4,357.6		4,357.6	
Compensation (UNAC supp. 1% Staff)	8,321.0		8,321.0				
Cyber Security & Transition to Cloud	1,000.0		1,000.0	1,000.0		1,000.0	
Insurance Premiums	2,000.0		2,000.0	2,000.0		2,000.0	
Facilities Maintenance	3,440.0		3,440.0	1,000.0		1,000.0	
Efficiencies	(1,640.0)		(1,640.0)				
Other Fixed Costs				Vetoed ~~1500.0~~		~~1,500.0~~	
Adjusted Base Subtotal	**18,178.6**	**-**	**18,178.6**	**8,357.6**	**-**	**8,357.6**	**(9,821.0)**
Programs[3]							
UAA Health Programs	3,500.0		3,500.0	3,500.0		3,500.0	
Alternate Energy Research	2,000.0		2,000.0	2,000.0		2,000.0	
Teacher Practicum / Student Teaching - Small Pilot				1,000.0		1,000.0	1,000.0
Health Care Clinicals - Small Pilot				1,000.0		1,000.0	1,000.0
Alaska Area Health Education Centers				Vetoed ~~200.0~~		~~200.0~~	~~200.0~~
Alaska Library Network and Imagination Library				Vetoed ~~635.9~~		~~635.9~~	~~635.9~~
Programs Subtotal	**5,500.0**	**-**	**5,500.0**	**7,500.0**	**-**	**7,500.0**	**2,000.0**
Budget Adjustments							
Federal Receipt Authority		50,000.0	50,000.0		50,000.0	50,000.0	
Mental Health Trust (MHT)	100.0		100.0	100.0		100.0	
Tech. Voc. Ed. Prog. (TVEP)[4]		72.3	72.3		72.3	72.3	
Budget Adjustment Subtotal	**100.0**	**50,072.3**	**50,172.3**	**100.0**	**50,072.3**	**50,172.3**	**-**
Operating Budget Changes	**23,778.6**	**50,072.3**	**73,850.9**	**15,957.6**	**50,072.3**	**66,029.9**	**(7,821.0)**
FY23 Operating Budget Total	**296,512.1**	**572,714.1**	**869,226.2**	**288,691.1**	**572,714.1**	**861,405.2**	**(7,821.0)**

1. Board of Regents' Budget has been revised to include subsequent amendments offered during the legislative session.
2. FY22 budget excludes an appropriation from the language section of the operating bill (HB69) which would increase university receipt authority by $10.0M if the actual receipts expended exceed current budget authority and $37.7M one-time federal COVID budget authority.
3. One-time funding for research that supports Alaska's economic development, and workforce training programs (see page 3).
4. Technical Vocational Education Program: FY22 includes a supplemental adjustment of $881.8; FY23 includes an incremental increase of $72.3.

Approved by BOR 09/08/2022

Unrestricted General Fund Budget by Allocation
FY19-FY23 (Proposed)
(in Thousands of $)

				FY23 Distribution							Change FY22-23		Change FY19-23		FY23	FY22-23	FY19-23
	FY19	FY22	Dual-Approp. Correction*	Comp	Cyber Security & Cloud	Insurance	Fac Maint	Other FC	Base Programs	FY23 Proposed	$	%	$	%	One-time Programs	%	%
Anchorage/SBDC	104,044.2	84,728.3		1,364.5		730.0	300.0	-101.1	4,600.0	91,621.7	6,893.4	8.1%	-12,422.5	-11.9%	2,000.0	10.5%	-10.0%
Kenai	6,289.1	6,289.1		78.1				47.7		6,414.9	125.8	2.0%	125.8	2.0%		2.0%	2.0%
Kodiak	2,303.3	2,303.3		24.2				21.9		2,349.4	46.1	2.0%	46.1	2.0%		2.0%	2.0%
Mat-Su	4,568.7	4,568.7		63.5				26.5		4,658.7	90.0	2.0%	90.0	2.0%		2.0%	2.0%
PWSC	2,666.7	2,666.7		47.3				5.0		2,719.0	52.3	2.0%	52.3	2.0%		2.0%	2.0%
Fairbanks	147,534.0	120,838.3		1,800.9		1,130.0	615.0	-32.1	2,500.0	126,852.1	6,013.8	5.0%	-20,681.9	-14.0%	25,800.0	26.3%	3.5%
UAF CTC	4,635.8	4,884.3		48.0						4,932.3	48.0	1.0%	296.5	6.4%		1.0%	6.4%
College of Rural & Comm. Dev.																	
Bristol Bay	1,100.3	1,100.3		14.4				7.3		1,122.0	21.7	2.0%	21.7	2.0%		2.0%	2.0%
Chukchi	607.8	607.8		10.3				2.0		620.1	12.3	2.0%	12.3	2.0%		2.0%	2.0%
Interior Alaska	1,294.5	1,294.5		16.8				9.1		1,320.4	25.9	2.0%	25.9	2.0%		2.0%	2.0%
Kuskokwim	2,324.6	2,324.6		37.3				8.0		2,369.9	45.3	2.0%	45.3	2.0%		2.0%	2.0%
Northwest	1,161.7	1,161.7		17.5				5.7		1,184.9	23.2	2.0%	23.2	2.0%		2.0%	2.0%
CRCD	4,786.3	4,786.3		43.8						4,830.1	43.8	0.9%	43.8	0.9%		0.9%	0.9%
Juneau	20,796.9	21,896.4	-4,820.2	257.6		100.0	81.0	-169.0	500.0	17,845.8	769.6	4.5%	-2,951.1	-14.2%		4.5%	-14.2%
Ketchikan	2,110.9	1,602.9		32.2				139.3		1,774.4	171.5	10.7%	-336.5	-15.9%	500.0	41.9%	7.7%
Sitka	2,526.8	1,935.3		26.9				164.7		2,126.9	191.6	9.9%	-399.9	-15.8%	1,750.0	100.3%	53.4%
Systemwide Services	10,861.6	5,974.7	3,020.2	346.6		40.0	4.0	-135.0		9,250.5	255.6	2.8%	-1,611.1	-14.8%		2.8%	-14.8%
OIT	7,420.3	3,770.3	1,800.0	127.7	1,000.0					6,698.0	1,127.7	20.2%	-722.3	-9.7%		20.2%	-9.7%
UA Foundation																	
Education Trust of Alaska																	
UA Anchorage	119,872.0	100,556.1		1,577.6		730.0	300.0		4,600.0	107,763.7	7,207.6	7.2%	-12,108.3	-10.1%	2,000.0	9.2%	-8.4%
UA Fairbanks	163,445.0	136,997.8		1,989.0		1,130.0	615.0		2,500.0	143,231.8	6,234.0	4.6%	-20,213.2	-12.4%	25,800.0	23.4%	3.4%
UA Southeast	25,434.6	25,434.6	-4,820.2	316.7		100.0	81.0	135.0	500.0	21,747.1	1,132.7	5.5%	-3,687.5	-14.5%	2,250.0	16.4%	-5.7%
UA System Office	18,281.9	9,745.0	4,820.2	474.3	1,000.0	40.0	4.0	-135.0		15,948.5	1,383.3	9.5%	-2,333.4	-12.8%		9.5%	-12.8%
UA Enterprise Entities																	
Systemwide Unallocated																	
UA System	327,033.5	272,733.5		4,357.6	1,000.0	2,000.0	1,000.0		7,600.0	288,691.1	15,957.6	5.9%	-38,342.4	-11.7%	30,050.0	16.9%	-2.5%

* true up multi-year activity made necessary by the dual appropriation structure (FY20-FY22)

Approved by BOR 09/08/2022

University of Alaska

FY23 Economic Development - Research and Workforce Training Programs

(in thousands of $)

The University of Alaska (UA), as Alaska's higher education system, is strategically positioned to have a significant positive impact through research and workforce training. Below are programs selected by the Legislature for one-time investment funding that are in alignment with the Governor's initiatives and UA expertise. These programs will support the State's economic recovery and advancement priorities while bringing national prominence to Alaska in key forward-facing industries to promote future prosperity in an uncertain global economy.

		Final Legislation HB281	
Program Initiative Title	**Performance Period**	**Operating**	**Capital**
UA Drone Program	FY23-FY24	10,000.0	
Heavy Oil Recovery Method Research and Development	FY23-FY24	5,000.0	
Critical Minerals and Rare Earth Elements Research and Development	FY23-FY24	7,800.0	
Rare Earth Elements Demonstration Facility (grant proposal)	FY22-FY26		500.0
Rare Earth Mineral Security	FY22-FY26		250.0
Mariculture Research & Development	FY23-FY24	7,000.0	
Fisheries, Seafood, and Maritime Programs (Maritime Works)	FY22-FY26		2,000.0
Health Program Equipment	FY23	250.0	
Emerging Energy Opportunities for Alaska	FY22-FY26		2,500.0
FY23 Economic Development Total		**30,050.0**	**5,250.0**

Approved by BOR 09/08/2022

University of Alaska
FY23 Capital Budget Summary
UA Board of Regents' Compared to Final Legislation
(in thousands of $)

	UA Board of Regents' Budget (Revised)			Final Lesgislation (HB281) (with Governor's Vetos)		
	State Funds	Non-State Funds	Total Funds	State Funds[1]	Non-State Funds	Total Funds
Facilities Deferred Maintenance (DM) / Renewal & Repurposing (R&R)	**50,000.0**		**50,000.0**	**27,700.0**		**27,700.0**
UAA Main Campus	*12,500.0*		*12,500.0*	*4,100.0*		*4,100.0*
UAA Community Campuses	*3,100.0*		*3,100.0*			
UAF Main Campus and Community & Technical College (CTC)	*28,900.0*		*28,900.0*	*23,000.0*		*23,000.0*
UAF Community Campuses	*2,200.0*		*2,200.0*			
UAS Main & Community Campuses	*3,100.0*		*3,100.0*	*600.0*		*600.0*
UA System Office	*200.0*		*200.0*			
Student IT Systems - Modernization and Security Upgrades	**20,000.0**		**20,000.0**	**20,000.0**		**20,000.0**
Economic Development - Research and Workforce Training Projects		**31,490.0**	**31,490.0**	*see FY23 ED Programs pg 3*		
UAF Seward Marine Center Research Vessel Infrastructure		**94,400.0**	**94,400.0**		**94,400.0**	**94,400.0**
FY23 Capital Budget Total	**70,000.0**	**125,890.0**	**195,890.0**	**47,700.0**	**94,400.0**	**142,100.0**

1. State Funds received in the FY23 capital budget were funded via FY22 supplemental appropriations:
   a. Early start date (April 15, 2022) for $23m UAF DM/R&R & $20m Student IT upgrade,
   b. $18,359 reappropriation from the Department of Commerce, Community, and Economic Development to UAF for deferred maintenance projects, and
   c. $4.7m (UAA $4.1m & UAS $0.6m) from Governor's office FY22 facilities deferred maintenance funding.

Note: Through a grant from the Department of Commerce, Community and Economic Development, UAA's Seawolf Hockey Alliance will receive $87,000 for scoreboard replacement.

Approved by BOR 09/08/2022

University of Alaska
FY23 Priority Deferred Maintenance (DM) and Renewal & Repurposing (R&R)
(in thousands of $)

	MAU	Project Name	Type	FY23 (Req.) Amount	FY23 (Dist.) Rvsd Amount
1	UAF	Fairbanks Campus Building Interior & Systems Renewal (Bartlett/Moore student housing)	Main	20,500.0	23,000.0
2	UAA	Campus Building Interior & Systems Renewal (Fine Arts and Enrollment Services Center)	Main	11,171.0	1,400.0
3	UAS	Building Envelope & Roof Systems (Deck Mansards Replacement Paul Building)	Comm.	100.0	108.2
4	UAA	Campus Building Envelope & Roof Systems Renewal (Lucy Cuddy Hall, Facilities Storage, and Social Sciences Building)	Main	900.0	2,700.0
5	UAA	Campus Security and Safety (replace exterior/interior doors)	Main	429.0	
6	UAF	Safety and Regulatory Compliance (renew HVAC and hydronic system, sanitary facilities, pool refurbishment, fire code corrections)	Main	7,775.0	
7	UAS	Safety Improvements & Regulatory Compliance (Technical Education Center fire alarm system replacement and Sitka Tech Lab emergency exit canopy)	Main/ Comm.	1,266.0	270.2
8	UAA	Community Campus HVAC Healthy Building Upgrades	Comm.	3,100.0	
9	UAF	Rural and Community Campus Renewal (fire rated corridor egress & alarms, electrical distribution, fuel tank repair/replace)	Comm.	2,200.0	
10	UAS	Exterior Infrastructure (fuel tank replacement, covered stairways, sidewalk repairs & drainage improvements)	Main	1,157.0	221.6
11	UAS	Interior Systems (elevator and HVAC replacement)	Comm.	577.0	
12	UAF	Community and Technical College (CTC) Renewal (renovate restrooms)	Main	300.0	
13	UASO	Replace Emergency Egress Lighting Power Supply (Butrovich)	Main	200.0	
		Total		**50,000.0**	**27,700.0**

		Total DM/R&R	Distribution
UAA	Main	503,573.3	4,100.0
	Community	32,225.5	0.0
		535,798.8	4,100.0
UAF	Main	755,768.5	23,000.0
	Community	70,533.4	0.0
		826,301.8	23,000.0
UAS	Main/Comm.	24,203.3	600.0
UASO	Main	6,662.7	0.0
	UA Total	**1,392,966.5**	**27,700.0**

Approved by BOR 09/08/2022

UAF Fairbanks Campus Building Interior & Systems Renewal (Bartlett/Moore student housing)
Distribution: $23,000.0

Many of the buildings at UAF were constructed in the 1960s and 1970s and the original building interiors and systems are in very poor to failing condition, no longer adequate for current enrollment demands, and require replacement or upgrading. The systems including finishes, plumbing, ventilation, heating, lighting, and electrical, are expensive to operate due to their low efficiencies, lack of replacement parts and are no longer in compliance with current life safety codes. Failing systems are causing partial building closures across campus, increasing operating costs for temporary space, or in some cases displacing students to off-campus housing. In some cases, these deteriorating systems have caused class and research cancellations and eroded UAF's ability to obtain new grants and initiatives.

Replacement of these systems will allow for increased energy efficiencies and better environmental control throughout UAF's facilities. Projects in this category lower operational costs by upgrading or replacing old building systems with current up-to-date technology where there is greater payback. The work will also renew aging, highly-used components including sanitation improvements, securing aging interior classrooms and labs, and addressing building code/life safety issues. It will reduce the backlog of deferred renewal and increase the useful life of these facilities. Besides improving building functionality, renewed finishes, doors, restrooms and classrooms create a better impression for current and future students and the public. Modern, attractive facilities have a direct correlation to student enrollment and success.

The building interior and systems renewal projects address building finishes, plumbing, electrical, and heating/ventilation systems to increase efficiency, reduce maintenance costs and improve the living environment of highly used buildings. The projects also reduce building code deficiencies, and a growing deferred renewal backlog and address life safety items related to building interior finishes such as doors, hardware, flooring, and ceilings. Due to the age of UAF buildings, most projects have asbestos removal aspects and require upgrades to current codes and standards. The work performed within these projects preserves current facilities, extends the life of systems, and reduces the risk of failure that would impact program delivery.

- **Bartlett Hall and Moore Hall Modernization and Renewal:** Bartlett and Moore Hall are UAF's largest residence halls, housing 644 undergraduate and graduate students throughout the academic year. Built in the mid-1960s, the original sanitary plumbing infrastructure is corroded to the point of failure throughout both buildings, causing multiple partial building closures over the previous four years. Additionally, both facilities are showing their age and do not meet the modern student's expectations for campus housing. Architectural finishes are dated, damaged, and severely worn. Aging light fixtures are energy inefficient. The existing laundry located in the basement of Bartlett Hall poses safety concerns due to a significant egress code violation. This project will modernize both residence halls' restrooms, laundry facilities, and associated sanitation infrastructure by replacing the plumbing systems and reconfiguring the restrooms to comply with current building codes, ADA standards, and modern student resident expectations. Lighting and architectural finishes will be modernized to enhance the student experience. The Bartlett Hall laundry will be relocated to the ground floor to resolve code issues.

  Swift corrective action is needed in these two residence halls. Since fall 2021 semester start, three different levels of restrooms and showers were closed for 2-3 weeks at a time to make emergency repairs. The frequency of pipe failures and leaks has steadily increased since 2017 and now averages 5 major failures per academic year. UAF's ability to attract and retain students in modern, safe housing is severely impacted by deteriorating condition of these two buildings.

Approved by BOR 09/08/2022

UAA Campus Building Interior & Systems Renewal (Fine Arts and Enrollment Services Center)
Distribution: $1,400.0

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 Heating Ventilation and Air Conditioning (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, and deficient variable air volume (vav) boxes, and upgrade the building automation system controls.

This energy savings performance project will incorporate mechanical and electrical system improvements to three critical facilities, the Professional Studies Building (PSB), the Wendy Williamson Auditorium (WWA), and the Social Sciences Building (SSB). PSB and WWA have connected facilities and share some of the infrastructure scheduled for replacement as part of this project. All three facilities were constructed in the early 1970s and the infrastructure, for the most part, is original and requires replacement. The electrical and mechanical systems are antiquated and are beyond their useful life.

- **Fine Arts and Enrollment Services Center:** Boiler sections for units in these facilities are no longer manufactured and this past spring UAA used up their remaining supply of spare parts after a failure in ESC. Replacing these boilers allows UAA to salvage boiler sections that can be used to repair similar units elsewhere on campus.

UAS Building Envelope & Roof Systems (Deck Mansards Replacement Paul Building)
Distribution: $108.2

Building envelope and roof systems provide our students, staff, faculty, and building systems protection from wind, rain, snow, and cold. When a building envelope fails, everything inside the building is at risk of damage, and decay and can make the building unsafe and unusable. Building envelopes last 30-50 years depending on the construction type and require periodic cleaning, repainting, and resealing. New roof systems last 40-60 years and besides periodic cleaning need little maintenance. Two buildings in Juneau and both Sitka and Ketchikan campus building envelopes are more than 40 years old, showing signs of compromise, and need to be replaced.

- **Paul Deck Mansards Replacement (Ketchikan):** 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 Alaska and is now falling apart. This project will replace the siding/roofing material with a Bermuda metal material that is more resistant to constant rain. This project can be designed, bid, and constructed in the current fiscal year.

UAA Campus Building Envelope & Roof Systems Renewal (Lucy Cuddy Hall, Facilities Storage, and Social Sciences Building)
Distribution: $2,700.0

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.

Approved by BOR 09/16/2022

- **Lucy Cuddy Hall:** This project supports demolishing the existing roof system, increasing parapet cap height, upgrading structural components for seismic restraint, replacing roof decking as required, and installing a new roofing system.

- **Facilities Covered and Sand Storage:** Grounds and sand storage is critical to maintaining campus winter operations. The buildings used to cover sand for ice events have been tagged out due to structural issues. UAA now has no conditioned or covered storage for sand, which causes the sand to freeze and clog equipment. An ice event this past winter required closing the campus due to equipment getting jammed with frozen sand.

- **Social Sciences Building:** This project will replace the elevator tower roof to address a persistent leak that UAA the maintenance team is struggling to address.

UAS Safety Improvements and Regulatory Compliance (Technical Education Center fire alarm system replacement and SitkaTech Lab emergency exit canopy)
Distribution: $270.2
The safety of our students, staff, and faculty is of great importance to UAS and employees strive to keep our facilities in compliance with current building codes, health mandates and safety standards. Regulatory agencies frequently update their requirements as investigations find safer ways to build buildings and as new technologies prove themselves to increase the health and safety of building occupants. Building owners are allowed to postpone implementing many of these regulatory changes until the next major building renovation. However, some of them are mandated to be implemented by a specified date. In addition, UAS is always looking for ways to improve campus safety regardless of regulatory mandates. Many of the fire alarm systems on campus are old and the manufacturer no longer makes replacement parts. Southeast Alaska communities are relatively safe compared to larger communities. However, theft from vehicles in parking lots, unauthorized access to campus and publicly aware community make for frequent requests for improving campus safety. Two funded priority projects in this category include:

- **TEC Welding Lab Fire Alarm Replacement:** Technical Education Center (TEC) welding lab fire alarm panel is no longer supported and if an alarm component fails there will be no way to repair the fire alarm system. UAS welding classes and programs will be significantly impacted if the fire alarm fails before it is replaced. This project will replace the fire alarm system. This project can be bid and constructed in this fiscal year.

- **Building Tech Lab Exit Canopy (Sitka)**: Currently snow slides off the roof and falls in front of a building emergency exit. This presents a safety hazard to students, staff, and faculty if maintenance crews are not able to remove the snow before they need to use the emergency exit. This project will construct a canopy over the exit door area that will shed the roof snow away from the exit door.

UAS Exterior Infrastructure (fuel tank replacement, covered stairways, sidewalk repairs & drainage improvements)
Distribution: $221.6
Exterior Infrastructure consists of all UAS facilities that are located outside of a building including, roads, parking lots, sidewalks, landscaping, and distribution systems for water, wastewater, communication, and power. There are several areas on campus where the exterior infrastructure is showing signs of its age, increasing the risk of failure and reducing the safety of our campus community.

Approved by BOR 09/08/2022

Two funded priority projects in this category include:

- **Housing Lodge Fuel Tank Replacement**: The tank is 35 years old, supplies the lodge's emergency generator and has reached the end of its expected life. Facilities Services recommends replacing this tank before it starts leaking and creating an environmental liability for the University. This project will replace the existing tank with a new double-wall tank with an interstitial monitoring system meeting current environmental codes. This project can be bid on and constructed in the current fiscal year.

- **Covered Stairway Mourant:** The pedestrian route from the courtyard to the lower levels of classrooms in Novatney & Whitehead buildings is not intuitive, which causes students and staff to take a shortcut down the steep grass slope between the Mourant and Novatney buildings. This is not a formal sidewalk or stairway and is unsafe, especially during the winter when the slope is covered in ice or snow. This project will install a covered stairway from the courtyard down to the lower sidewalk level.

Approved by BOR 09/08/2022

UNIVERSITY of ALASKA

Many Traditions One Alaska

Approved by BOR 6/2/2022

Proposed

FY23
Operating & Capital Budgets
Distribution Plans

Board of Regents
June 2, 2022

Prepared by: University of Alaska System
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http://www.alaska.edu/swbudget/

Proposed
FY23 Operating Budget Distribution Plan
Introduction

The operating budget bills (HB281 & HB282), currently awaiting transmittal to the Governor, include (in a single appropriation) an Unrestricted General Fund [UGF] appropriation for the university system which includes a 6.7% base increase over our current operating budget (a total of $291 million base operating budget) plus one-time investments in areas critical to Alaska's economic recovery. This provides much-needed financial stability after eight years of budget cuts - a reduction of more than $100 million in state funding since FY14 - compounded by enrollment challenges and the financial impacts of the pandemic.

Distribution principles include:

- Distribute state funds consistent with the budget request
- Understand rebalancing and bridging are necessary as universities stabilize
- Balance community campus budgets re: FY20-22 reduction vis-a-vis legislative appropriations

With the legislative budget UA will:

- Provide stability in programs by increasing enrollment - especially in programs that address workforce shortages;
- Help the state's economy by training Alaskans to return to the workforce;
- Support key research programs important to Alaska's economy;
- Support jobs in Alaska's economy while maintaining mission-critical facilities;
- Continue to:
    - Reduce our facility footprint,
    - Focus on streamlining administrative functions and efficiencies, and
    - Encourage program collaboration across the UA system to maximize enrollment.

The budget passed by the legislature includes one-time utility cost funding (aka fuel trigger funding)

- Variable funding is triggered if the fiscal year-to-date average fuel price exceeds $70/barrel on Dec 1, 2022. Maximum distribution of $27 million at an oil price of $125 or more per barrel. UA would receive 15% (± 3%) of the total distribution.

Although not for UA, the legislature did include the following intent language for the Alaska Commission on Postsecondary Education (ACPE) related to the WWAMI program:

(1) "It is the intent of the legislature that the Department of Education and Early Development and the Alaska Commission on Postsecondary Education (ACPE) works to expand the number of seats for Alaska in the WWAMI program from 20 to 30, for implementation in FY24. Further, ACPE and the University of Alaska shall coordinate and plan for their separate and combined needs for the program expansion, and report to the Co-Chairs of Finance and the Legislative Finance Division by December 20, 2022, policy, program, and budget needs for implementation of this expansion."

(2) "It is the intent of the legislature that the Department of Education and Early Development and the Alaska Commission on Postsecondary Education (ACPE) work with the University of Alaska and the University of Washington School of Medicine to undertake a concerted effort to recruit students from Rural Alaska to apply to Alaska's medical school program. Because of the shortage of medical doctors in Rural Alaska, it is imperative that more students from rural areas be admitted into medical school."

Approved by BOR 6/2/2022

University of Alaska
FY23 Operating Budget Summary
Board of Regents Compared to Final Legislation

(in thousands of $)

	UA Board of Regents' Budget (Revised)[1]			Final Legislation HB 281 & HB 282 (Pending Gov's Action)			Final over/ (under) BOR
	Unrestricted General Funds (UGF)	Designated, Federal and Other Funds[2]	Total Funds	Unrestricted General Funds (UGF)	Designated, Federal and Other Funds[2,3]	Total Funds	UGF
FY22 Operating Budget	**272,733.5**	**522,641.8**	**795,375.3**	**272,733.5**	**522,641.8**	**795,375.3**	**0.0**
Adjusted Base Requirements							
Compensation	13,378.6		13,378.6	4,276.6		4,276.6	
Cyber Security & Transition to Cloud	1,000.0		1,000.0	1,000.0		1,000.0	
Insurance Premiums	2,000.0		2,000.0	2,000.0		2,000.0	
Facilities Maintenance	3,440.0		3,440.0	1,000.0		1,000.0	
Efficiencies	(1,640.0)		(1,640.0)				
Other Fixed Costs				1,581.0		1,581.0	
Adjusted Base Subtotal	**18,178.6**	**-**	**18,178.6**	**9,857.6**	**-**	**9,857.6**	**(8,321.0)**
Programs[3]							
UAA Health Programs	3,500.0		3,500.0	3,500.0		3,500.0	
Alternate Energy Research	2,000.0		2,000.0	2,000.0		2,000.0	
Teacher Practicum / Student Teaching - Small Pilot				1,000.0		1,000.0	1,000.0
Health Care Clinicals - Small Pilot				1,000.0		1,000.0	1,000.0
Alaska Area Health Education Centers				200.0		200.0	200.0
Alaska Library Network and Imagination Library				635.9		635.9	635.9
Programs Subtotal	**5,500.0**	**-**	**5,500.0**	**8,335.9**	**-**	**8,335.9**	**2,835.9**
Budget Adjustments							
Federal Receipt Authority		50,000.0	50,000.0		50,000.0	50,000.0	
Mental Health Trust (MHT)	100.0		100.0	100.0		100.0	
Tech. Voc. Ed. Prog. (TVEP)[4]		72.3	72.3		72.3	72.3	
Budget Adjustment Subtotal	**100.0**	**50,072.3**	**50,172.3**	**100.0**	**50,072.3**	**50,172.3**	**-**
Operating Budget Changes	**23,778.6**	**50,072.3**	**73,850.9**	**18,293.5**	**50,072.3**	**68,365.8**	**(5,485.1)**
FY23 Operating Budget Total	**296,512.1**	**572,714.1**	**869,226.2**	**291,027.0**	**572,714.1**	**863,741.1**	**(5,485.1)**

1. Board of Regents' Budget has been revised to include subsequent amendments offered during the legislative session.
2. FY22 budget excludes an appropriation from the language section of the operating bill (HB69) which would increase university receipt authority by $10.0M if the actual receipts expended exceed current budget authority and $37.7M one-time federal COVID budget authority.
3. One-time funding for research that supports Alaska's economic development, and workforce training programs (see page 6).
4. Technical Vocational Education Program: FY22 includes a supplemental adjustment of $881.8; FY23 includes an incremental increase of $72.3.

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Adjusted Base Requirements
Distribution: GF: $9,857.6, NGF: $0.0, Total: $9,857.6

Compensation $4,276.6
The compensation distribution includes: a 2% salary adjustment for all non-union staff, union-represented firefighters and local 6070 employees; and funding to implement a new student employee salary grid.

Cyber Security & Transition to Cloud $1,000.0
To maintain reliable, stable and well-functioning information technology systems, base-level functionality continually needs to be improved upon. Such improvements are critical for the University to deliver on its academic and research missions and allow it to remain competitive as the technology environment evolves. The University is moving its Enterprise Resource Planning (ERP) system to the cloud. This effort will reduce the risk associated with operating in-house hardware systems and increase the University's capabilities in terms of systems availability, agility, disaster recovery, and business continuity. In addition, improvements to cybersecurity capabilities are necessary to meet the ever-increasing risk and cost caused by security breaches. Insurance carriers and third parties are increasingly requiring the deployment of best-in-class cyber security systems in order to do business with the University.

Insurance Premiums $2,000.0
Property insurance premiums have doubled, due to an exceptionally hard insurance market. Other insurance coverages, such as cyber security coverage, have also seen significant increases. The University continues to take steps to mitigate insurance cost increases, however, a certain base level of insurance is important to cover the cost of potential losses due to unforeseen events. The rising cost of insurance is a national issue. Funding maintenance for base-level fixed costs is critical as the University seeks to preserve scarce resources for the academic mission.

Facilities Maintenance $1,000.0
Annual state-funded capital appropriations for UA's deferred maintenance/renewal & repurposing (DM/R&R) activities averaged $31 million (FY07-FY15), but dropped to an average of $3 million (FY16-FY22). In addition to capital appropriations, UA dedicates a portion of its annual operating appropriation toward facilities maintenance ($25.6 million in FY22). In FY17, UA implemented a multi-year plan to incrementally increase the annual funding to reach a goal of $60.0 million.

Other Fixed Costs $1,581.0
In recognition of significant cost increases across multiple economic sectors, the Legislature appropriated funding for UA's fixed cost increases. These funds will be utilized to balance inflation pressure on utilities, equipment, commodities, and distributed information technology.

Programs
Distribution: GF: $8,335.9, NGF: $0.0, Total: $8,335.9

UAA Health Programs $3,500.0
The nursing shortage in the State of Alaska continues to plague healthcare facilities across the state. High faculty turnover and shortages have prevented the significant expansion of the University of Alaska Anchorage's capacity for training registered nurses. Funding would cover the salaries, benefits, and costs of the new faculty hired in FY22.

This funding is expected to increase the number of program graduates by 209 in Medical Imaging, Certified Nurse Aide, Surgical Technology, Pharmacy Technology, Medical Assisting, Behavioral Health, and Nursing

Approved by BOR 6/2/2022

(some gains won't be reached until year 3, and projections are uncertain due to COVID). This project advances Developing Alaska's Health Workforce plan and targets (1) Meeting high demand and/or regional workforce needs; (2) Increasing innovative work-based learning opportunities that provide greater relevancy to students' learning and future careers; and (3) Improving access to and flexibility of training delivery.

Alternate Energy Research: $2,000.0
The Alaska Center for Energy and Power (ACEP) will use this increase to fund near-term research thrusts such as modeling the railbelt to inform decarbonization scenarios, as well as, to pursue longer-term opportunities such as hydrogen to continue to meet the state's needs for reliable, unbiased energy information. With this investment, ACEP and its partners, across the University and the private sector, will be able to help the state navigate the profound changes in its economy that this transition will entail.

ACEP is heavily funded by federal and private partners. This success has helped make ACEP one of the fastest-growing units at UAF. At the same time, ACEP is increasingly being called upon by the state as a trusted source of information. In the short term, a $2.0M increase to ACEP's base budget will allow ACEP to lead the State's response to the U.S. Department of Energy's Hydrogen Hubs effort and address other short-term high-priority initiatives in critical areas such as decarbonization and developing strategies for addressing the projected railbelt energy shortfalls. Investments will also be made in areas such as engineering and social and economic research across the University System that support statewide energy information needs.

Teacher Practicum/Student Teaching Small Pilot $1,000.0
Alaska faces a critical shortage of qualified teachers, especially in rural Alaska. The practicum/student teaching portion of the licensure process has been identified as a barrier to entry for the profession, due to the significant time involved in this critical training element with no compensation available for the time in the classroom. Living wages have been difficult for many, and this may have a significant impact on Alaska's future education workforce. In response, this funding amount shall support paid teacher practicums while our next generation of teachers further learn to teach students in Alaska. The practicum support will help balance payments for necessary expenses. The funds provided would be used to support a small pilot program within the existing initial teacher licensure programs in the School of Education and the Early Childhood Education programs.

Health Care Clinicals – Small Pilot $1,000.0
The University of Alaska is proposing a sustainable, long-term initiative in the training and education of students in health degree and certificate programs. A competent skilled workforce is indispensable to Alaska's healthcare industry and the residents who receive care. The current and projected need for most healthcare occupations is critical across the state, especially in regional hubs and rural remote areas. Clinical placements are an essential component in health training and provide valuable hands-on experience to students entering the industry no matter which health occupation pathway they follow. These funds will provide partial financial support to students during their training and education in their chosen health degree program and will alleviate their investment in time in other work. This initial funding is for a small pilot program within the current structure at the associated Universities. If successful, this program may be brought back for future consideration to meet health care needs in Alaska.

Alaska Health Education Centers $200.0
Funding would advance career pathways and student recruitment to develop Alaska's next generation of healthcare leaders. The Alaska Area Health Education Centers (AHEC) are regional academic and community-based partnerships engaged in growing our state's healthcare workforce. Their activities include training and continuing education, as well as recruitment and retention of healthcare personnel in Alaska.

Approved by BOR 6/2022

AHEC improves the distribution and diversity of qualified health professionals. A key part of this success has been the organization's partnership at the K-12 level with the group Health Occupations Students of America (HOSA). This collaboration promotes career opportunities in the healthcare industry. It provides a unique program of leadership development, skill-based competencies, motivation, and professional growth.

The funding will further enhance this work by funding a statewide HOSA advisor position to manage the joint program and recruit Alaska's future health leaders.

Alaska Library Network and Imagination Library $635.9
Funding to continue the Alaska Library Network, which includes $188.9 for the Alaska Library Catalog (ALC) and $397.0 for the Statewide Library Electronic Doorway (SLED) databases, along with funding ($50.0) for the Imagination Library.

Since its inception in 1999 as a joint catalog for UAA and the Anchorage Public Libraries, the ALC has grown to include 86 public, academic, special, and K-12 libraries serving 92% of the population of Alaska. The shared library catalog has 6.4 million items and 235,000 registered borrowers with an annual circulation of 1.9 million books and other items. This nearly statewide catalog is remarkable for its unique multi-type library cooperation and for the cost savings it has provided to each library while providing better service for patrons.

SLED started in 1995 as a shared statewide project to provide Alaskans access to a robust variety of online resources via a single web portal. SLED provides access to over 50 databases of articles and full-text periodicals purchased for Alaskans of all ages on many topics – health, business, science, history, and reading.

Imagination Library, a program started by Dolly Parton in 1996, sends a new, age-appropriate, high-quality book in the mail each month to children under the age of 5 at no cost to their families. Participating in Imagination Library increases family reading time and has been shown to help children begin kindergarten prepared.

Budget Adjustments
Distribution: GF: $100.0, NGF: $50,072.3.0, Total: $50,172.3

Federal Receipt Authority $50,000.0
UAF has experienced significant growth in the area of federally supported research projects important to Alaska. This receipt authority increase allows them to accept and expend federal grant and contract funds.

Mental Health Trust Authority (MHT) $100.0
This funding will be directed toward the University of Alaska projects and programs in support of initiatives of mutual interest to the Mental Health Trust, the University and the Alaska Health Workforce Coalition. UA's FY23 MHT funding increased by $100.0.

Technical Vocational Education Program (TVEP) $72.3
This funding, commonly referred to as workforce development, is focused on priority workforce development areas established by the Alaska Workforce Investment Board (AWIB). UA's FY23 TVEP funding increased by $72.3.

Approved by BOR 6/2/2022

University of Alaska

FY23 Economic Development - Research and Workforce Training Programs

(in thousands of $)

The University of Alaska (UA), as Alaska's higher education system, is strategically positioned to have a significant positive impact through research and workforce training. Below are programs selected by the Legislature for one-time investment funding that are in alignment with the Governor's initiatives and UA expertise. These programs will support the State's economic recovery and advancement priorities while bringing national prominence to Alaska in key forward-facing industries to promote future prosperity in an uncertain global economy.

		Final Legislation HB281	
Program Initiative Title	**Performance Period**	**Operating**	**Capital**
UA Drone Program	FY23-FY24	10,000.0	
Heavy Oil Recovery Method Research and Development	FY23-FY24	5,000.0	
Critical Minerals and Rare Earth Elements Research and Development	FY23-FY24	7,800.0	
Rare Earth Elements Demonstration Facility (grant proposal)	FY22-FY26		500.0
Rare Earth Mineral Security	FY22-FY26		250.0
Mariculture Research & Development	FY23-FY24	7,000.0	
Fisheries, Seafood, and Maritime Programs (Maritime Works)	FY22-FY26		2,000.0
Health Program Equipment	FY23	250.0	
Emerging Energy Opportunities for Alaska	FY22-FY26		2,500.0
FY23 Economic Development Total		**30,050.0**	**5,250.0**

Approved by BOR 6/2/2022

UA Drone Program $10,000.0

Drones, a.k.a. Unmanned Aircraft Systems (UAS), stand on the precipice of transforming the methods by which remote infrastructure monitoring with the oil and gas industry, medical supply and cargo delivery to aviation-dependent communities, mapping and surveying, wildlife monitoring and protection, and an ever-growing list of new drone applications of import to Alaskans occur. Drones have the potential to conduct these missions more safely and economically, than can be done at present, and improve the quality of life for people living across Alaska, especially in rural communities. Both developing UAS technologies and conducting UAS operations have the potential to be economic drivers across Alaska. Additionally, international drone air cargo flights utilizing drone cargo hubs in Alaska, such as the Fairbanks International Airport (FAI), have the potential to greatly increase Alaska's international standing as a leading cargo gateway and provide an emerging economic opportunity for Alaska. Alaska possesses the perfect environment for testing the technologies, policies, and procedures needed to conduct real-world drone cargo operations with minimal risk to people on the ground and other aircraft. The University of Alaska conducts many of the testing operations needed to support the full integration of drones with traditional aircraft in U.S. airspace and develop the workforce needed to support this emerging industry in Alaska.

Heavy Oil Recovery Method Research and Development $5,000.0

This project is intended to develop technology enabling the production of heavy oil in the Ugnu formation, for which no production technique currently exists. A new enhanced oil recovery method, called polymer-alternating solvent (PAS), will enable heavy oil development in the Arctic, a 12-15 billion-barrel target. Funding will allow the University of Alaska Fairbanks (UAF) to immediately begin lab work leading to a field demonstration, conducted in partnership with Hilcorp, within two years. Development of this technology requires lab improvements and an increased faculty research capacity. A successful field demonstration will prove the technology necessary to add approximately 10 billion barrels of heavy oil to Alaska's recoverable reserve base. Successful development, demonstration, and ultimately deployment of the PAS method could also spur ancillary benefits such as the development of an Alaska-based polymer production facility and may have practical application within the industry. This request is contingent upon the procurement of polymer for field trials in partnership with the industry via procurement by industry partners or additional funds to industry partners for procurement.

Critical Minerals and Rare Earth Elements Research and Development $7,800.0

Alaska, as a state, has tremendous critical rare earth potential, and to maximize this opportunity, the University of Alaska Fairbanks (UAF) seeks to initiate a Critical Minerals Group (CMG) within the existing Mineral Industries Research Lab (MIRL) at UAF. The CMG would focus research and development efforts on the innovations to most effectively develop a critical minerals industry in Alaska. With this initiative, UAF will grow the critical minerals industry in Alaska from exploration, to mining, to processing, and includes workforce mine training through the Mining and Petroleum Training Service (MAPTS). UAF will create a critical mass of research expertise with a faculty cohort, renovate key labs and equipment to support faculty and students, as well as modernize workforce training facilities to accommodate new mining techniques. Immediate economic impacts of state investment include availing the group of continued federal funds ($7.5 million available in 2023), and further supporting the MAPTS program, which currently generates $3 million to $4.5 million per year in economic activity by training 40 – 60 mine workers annually.

Approved by BOR 6/2022

The University of Alaska Southeast (UAS) proposes expansion of its programs in mining industry workforce development. UAS offers world-class workforce training in occupational fields leading to employment in the mining industry, with special emphasis on expanding an Alaskan workforce for underground mine mechanics. UAS has strong partnerships with Hecla Greens Creek and Kensington Mines. Holding one of our nation's richest reserves of minerals, Alaska needs a strong, smart and responsible workforce to fill these roles. The Center for Mine Training at UAS is here to help Alaska's mineral extraction and processing industry by training students to get in on the ground floor of highly lucrative and in-demand careers.

The University of Alaska Anchorage (UAA) proposes two focus areas in this initiative. The first is enhanced recovery of Alaska rare earth elements through bio-weathering technology through the UAA College of Arts & Sciences (CAS). This project will advance new methods for extraction and processing of Rare Earth Element (REE) resources in Alaska. The development of a novel bio-weathering process can alleviate the safety and environmental concerns of traditional acid mining. It will also increase the efficiency of REE recovery from mineral deposits around the state, including Usibelli Coal Mine. Combining new and established technologies into one process has the potential to produce REE resources in an economic and safe manner. The project has near-term deliverables for developing a unique segment of Alaska's mineral industry.

The second UAA project is comparing petroleum and mineral development in Alaska to world standards through the Institute of Social & Economic Research (ISER). This project will conduct comparative research evaluating Alaska's regulatory and environmental standards for petroleum and mineral development. The project analyzes the effects of Alaska regulatory standards and social institutions related to extractive activities with those elsewhere in the world. The study would compare Alaska's greenhouse gas emissions per barrel of oil, economic benefits for indigenous groups and environmental standards in mining locations. The research will help inform policymakers about best practices, address concerns by nongovernmental organizations, and close comparison gaps with other resource-based economies. The project has a 1-year timeline and results will be available to provide context to ongoing policymaking around Alaska's key export industries. The project will be in collaboration with researchers across the UA system.

Rare Earth Elements Demonstration Facility (Grant Proposal) $500.0
Funding for the University of Alaska Fairbanks, Institute of Northern Engineering (UAF-INE) to develop a competitive and responsive proposal to a forthcoming U.S. Department of Energy Rare Earth Element Demonstration Facility grant.

Section 40205 of the Infrastructure Investment and Jobs Act (IIJA) directs the U.S. Department of Energy (DOE) to fund a rare earth element (REE) demonstration facility through an agreement with an academic partner that includes a full-scale, vertically integrated REE extraction separation, and refining facility. The federal legislation appropriates $140 million for this initiative. On February 14th DOE issued a Request for Information (RFI) to collect public input in the development of a future funding opportunity to design, construct, and operate a demonstration facility to support domestic REE and critical mineral (CM) supply chains for commercial and national defense industries, and use in clean energy technologies. UAF-INE is coordinating a state response to that RFI.

In addition, activities to be funded under IIJA Section 40207 includes directing DOE to invest more than $7 billion to carry out one or more demonstration projects in the United States for the processing of battery materials.

Approved by BOR 6/23/22

These funds will be used by UAF-INE, and its rare earth element and critical mines (REE-CM) partners, to coordinate, develop and prepare competitive grant responses to DOE, and potentially to the Department of Defense (DOD). This could lead to federal funding to construct an REE-CM processing facility in Alaska. The funds will pay for content development, subject matter expertise, technical writing, and technical and administrative coordination between the cooperating parties involved in preparing the proposal responses. UAF-INE will lead a team that will include industry partners, developers, academic researchers, state resource agencies, impacted communities, and other stakeholders.

Mineral Security Project: Rare Earth Mineral Security $250.0
Section 41003 of the Infrastructure Investment and Jobs Act (IIJA) provides an additional $800 million in authority to DOE to continue to advance Rare Earth Element mineral security projects.

University of Alaska Fairbanks - Institute of Northern Engineering (UAF-INE) is leading a U.S. Dept of Energy (DOE) funded project to establish a pathway whereby Alaska's Carbon, Ore, Rare Earth, and Critical Minerals (CORE-CM) can provide, an economically competitive supply of, Rare Earth Elements & Critical Minerals (REE-CM) to help reduce the nation's reliance on non-allied, imported sources.

The Alaska CORE-CM project is, one of thirteen regional centers, funded under a cooperative agreement with DOE's National Energy Technology Lab (NETL), each center receives approximately the same funding levels, $1.5 million for Phase 1. Of these 13 regional centers, NETL anticipates funding eight centers for Phase 2, $7.5 million each; and potentially 5 centers for Phase 3, $10 million each. The Governor's funding request is to ensure the Alaska CORE-CM project is competitive going into Phase 2 funding. Alaska CORE-CM partners include the Department of Natural Resources Division of Geological and Geophysical Surveys; Green Leaf Carbon Technologies; JWP Consulting LLC; Technology Holding LLC; ESP Research Inc.; Ahtna Inc.; Ucore Rare Metals Inc.; CVMR Inc.; Graphite One Inc.; and Usibelli Coal Mine.

During Phase 1, each of the thirteen regional centers establishes plans for a Technology Innovation Center that addresses their region's specific research needs. In the case of the Alaska CORE-CM project, deliverables include an assessment of basinal CORE-CM resources; mining waste stream reuse, and in the case of existing mines, evaluating their waste streams for REE-CM potential; extending economically viable infrastructure to the prospective site(s), and, where not possible, establishing relatively self-sufficient mining and refining operations by investigating local energy sources, including the possibility of manufacturing liquid fuels and chemicals onsite; finalizing plans for the Alaska-Focused Technology Innovation Center, which includes workforce development, for evaluation by NETL for possible Phase 2 funding. The $250k appropriated by the legislature will enable UAF-INE to continue to attract private-sector partners to this project, a key component since NETL will evaluate, among other things, the potential for the Technology Innovation Center to continue indefinitely, including after the end of federal funding.

Mariculture Research and Development $7,000.0
Alaska's coastline is longer than all other 49 states combined, and roughly two-thirds of the nation's fishery is harvested from Alaskan waters. Within the state, the combined seafood and fishery industries are the largest private employer. At the same time, environmental factors threaten the continued success of the wild harvest. A new industry is emerging, - seaweed and shellfish farming - called mariculture. Mariculture can become the economic driver for the state as the field is only in its infancy. There are applications for pharmaceuticals, food additives, and food stability. The Governor's Mariculture Task Force set a goal to grow a $100 million industry in 20 years, with university training and research and development critical to reaching this goal. University of

Approved by SOP 6/2/2022

Alaska Fairbanks (UAF) and University of Alaska Southeast (UAS) coordinate with state and federal agencies in fisheries, mariculture, and ocean sciences making the University of Alaska a leader in these areas. The investment will increase Alaska's market share in a global economy.

At UAF, funding would support efforts to build capacity in decision support for production scale development (including graduate workforce research and partnerships) to (1) build workforce capacity in Fisheries/Mariculture for reducing harmful algal blooms pervasive in Alaska; (2) develop a decision support tool for stakeholders to assess the economic feasibility of production-scale hatchery supported mariculture in Alaska; (3) establish foundational genetic infrastructure for seaweed farming in South Central Alaska; (4) develop applications for kelp mariculture; (5) evaluate climate and local environmental factors on economic impacts to fishery-dependent communities; and (6) engage and strengthen connections with coastal and Indigenous communities to answer relevant research questions and train the workforce.

At UAS, funding would be used for maricultural and undergraduate fisheries in southeast Alaska. Included in this request are funds to (1) upgrade UAS's teaching and instruction facility to provide coastal classrooms and laboratories to provide world-class opportunities for unique hands-on experiences; (2) construct floating docs, nursery equipment, and associated field equipment; (3) provide industrial space to house equipment and material to support research and training initiatives; and (4) expansion of instructional faculty, student advisors, and technical support.

At the University of Alaska Anchorage (UAA), this funding will support the Institute of Social & Economic Research (ISER) studying the Economic Shock and Workforce Development in Commercial Fisheries. This project will provide a better understanding of how shocks in commercial fisheries impact community employment and youth educational outcomes. Fisheries-based economies, particularly in Alaska's rural coastal communities, are often subject to boom or bust returns that can have substantial ripple effects across communities. These fluctuations influence student aspirations and decisions regarding whether or not to enter fishery-sector employment or undertake entrepreneurial opportunities. Reversing this trend by building the next cohort of young Alaska fishermen will provide short and long-term economic benefits. The research will shed light on these issues and potential policy solutions. The project will be conducted in partnership with stakeholders such as the Alaska Sea Grant, Alaska Marine Conservation Council, Alaska Vocation Technical Center (AVTEC), and the Alaska Department of Education & Early Development.

Fisheries, Seafood, and Maritime Programs (Maritime Works) $2,000.0

Investment in maritime workforce development in Alaska is critically and nationally important. Alaska comprises more than half of the United States coastline, continental shelf, and exclusive economic zone. Over 60% of the seafood harvested in the U.S. comes from Alaska water. Alaska is a global participant and has a critical role in U.S. marine transportation and security. The maritime industry is important within the state as well, as it is Alaska's largest private employer, with more than 70,000 individuals in 150 coastal communities, in five worker roles: seafood harvesting, seafood processing, vessel repair, vessel operations, and fisheries research and management.

Even before the Alaska maritime sector suffered economic hardship from the coronavirus pandemic, its workforce training needs were significantly underserved. Maritime Works' objective is to increase skills, equity, and access for Alaskans to attain quality jobs in the maritime industry, with a focus on underserved populations and underserved communities. Maritime Works' goals will expand workforce training and wrap-

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around services that place workers into quality jobs through broad sectoral partnerships. The University of Alaska (UA), will serve as the backbone organization to convene state agencies, industry, and training provider partners to address maritime workforce needs. This project has equity at its core: based at UA minority-serving Institutions, it identifies concrete metrics to serve underrepresented groups and underserved communities. Maritime Works will impact thousands of workers, leading to skilled job placement across Alaska's statewide 'blue economy' and enabling a resilient maritime economy from its smallest to largest coastal communities.

Health Program Equipment $250.0
Funding allows the Simulation Center to upgrade and expand its use of manikins and technology to facilitate growth in nursing and health programs throughout the state. State-of-the-art simulation technology is essential for statewide clinical hands-on learning, particularly when clinical capacity is limited. Over 600 students in 17 academic programs across the University of Alaska network of major academic units and community campuses learn in clinical simulation each year.

Emerging Energy Opportunities for Alaska $2,500.0
The University of Alaska Fairbanks (UAF) will use these funds to invest in addressing important gaps in our understanding of small nuclear energy systems and related technologies for the Alaska market ($1M) as well as alternative energy technologies applicable to Alaska more broadly ($1.5M). Alaska is in a strong position to be an early adopter of a new generation of small micro-and modular nuclear reactor technologies that could unlock economic development opportunities currently constrained by access to stably priced, reliable energy including heat and power. This includes expanded economic development opportunities for rural communities, military bases and defense sites, and place-based industries such as mines whose development is often hampered by energy access and cost.

The development of a composite roadmap for small nuclear technologies in Alaska will be a priority area of emphasis for this program. To develop this roadmap, the Alaska Center for Energy and Power (ACEP) will work with state agencies as well as other industry and community stakeholders to better understand the possible use cases and economics of deploying small nuclear energy in Alaska, within the context of other energy options. The roadmap will incorporate key readiness metrics, critical action steps, decision gates, etc., based on consideration of a minimum of five specific case studies (military base, railbelt utility, remote industrial site, hub town, and remote community). ACEP will also continue to track technology advancements at the national level, collaborate with federal agencies and national laboratories, and continue to manage a state working group on nuclear energy.

Alternative energy technology work will focus on energy technologies broadly relevant to the energy transition in Alaska including work relevant to rural Alaska. Technologies could include marine energy (tidal, wave and river), solar photovoltaic, beneficial electrification (electrification of loads such as vehicles and heating) as well as decarbonization.

Approved by BOR 6/2/2022

Proposed
FY23 Capital Budget Distribution Plan
Introduction

The Board of Regents requested a $195.9 million ($70.0 million in state funding) capital budget for the University of Alaska (UA) in FY23. The budget bill (HB281), currently awaiting transmittal to the Governor, includes supplemental state funding of $70.0 million and $94.4 million in federal receipt authority. The board is asked to accept the capital appropriation and approve the distribution as presented.

The capital budget includes the following:

- $50 million for deferred maintenance/renewal & repurposing
- $20 million for student information technology system modernization
- $94.4 million increased authorization to receive federal funding for the Seward Sikuliaq facility.

A $50 million state investment is critical for addressing UA's deferred maintenance backlog, estimated at $1.4 billion in FY21. UA has received less than $3.3 million per year on average for deferred maintenance/renewal & repurposing (DM/R&R) over the past seven years, although the annual need exceeds $50 million. The universities work diligently to keep facilities clean, safe, and operational. Facility teams prioritize preventative maintenance to care for and extend the useful life of facilities, reprioritize internal funding, reduce occupied footprint, and continuously work to secure grant opportunities to support strategic investments while reducing the deferred liability. However, many UA facilities are at a point where they require significant capital investment in order to mitigate a continually increasing reactive response to system failures.

The DM/R&R estimated project budgets and descriptions can be found on page 14. As the exact project scope and costs become known, project approval will be obtained from the appropriate authority in accordance with Regents' Policy. If a subsequent transfer of funding between projects or to a new project is requested, the chief strategy, planning, and budget officer shall determine the level of approval required, based on the size and nature of the transfer.

A $20 million state investment will be used to modernize the university's student-facing information technology (IT) systems including necessary security upgrades and cloud migration. Enrollment is key to serving Alaska and to UA's future budget stability. Implemented 30 years ago, UA's student-facing IT systems are out of date and compare poorly against peers in terms of delivering a quality student experience. UA must improve these capabilities to remain competitive in the marketplace and offer students a more user-friendly entry point. This major system modernization will facilitate student recruitment, retention, and success for our three universities.

A $94.4 million grant proposal is currently being considered for funding by the National Science Foundation (NSF). The UAF Seward Marine Center is located at the head of Resurrection Bay, one of the primary docking facilities for visiting research vessels and the home port of the, NSF-owned and UAF-operated, Global Class R/V Sikuliaq. This project will provide the construction of a new dock for year-round servicing and berthing of the R/V Sikuliaq, along with a new warehouse and shop facilities constructed to directly support efficient and effective high-latitude maintenance, operations, and research.

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University of Alaska
FY23 Capital Budget Summary
UA Board of Regents' Compared to Final Legislation
(in thousands of $)

	UA Board of Regents' Budget (Revised)			Final Lesgislation (HB281) (Pending Gov's Action)		
	State Funds	Non-State Funds	Total Funds	State Funds[1,2]	Non-State Funds	Total Funds
Facilities Deferred Maintenance (DM) / Renewal & Repurposing (R&R)	**50,000.0**		**50,000.0**	**50,000.0**		**50,000.0**
UAA Main Campus	*12,500.0*		*12,500.0*			
UAA Community Campuses	*3,100.0*		*3,100.0*			
UAF Main Campus and Community & Technical College (CTC)	*28,900.0*		*28,900.0*			
UAF Community Campuses	*2,200.0*		*2,200.0*			
UAS Main & Community Campuses	*3,100.0*		*3,100.0*			
UA System Office	*200.0*		*200.0*			
Student IT Systems - Modernization and Security Upgrades	**20,000.0**		**20,000.0**	**20,000.0**		**20,000.0**
Economic Development - Research and Workforce Training Projects		**31,490.0**	**31,490.0**	*see FY23 ED Programs pg 6*		
UAF Seward Marine Center Research Vessel Infrastructure		**94,400.0**	**94,400.0**		**94,400.0**	**94,400.0**
FY23 Capital Budget Total	**70,000.0**	**125,890.0**	**195,890.0**	**70,000.0**	**94,400.0**	**164,400.0**

1. FY22 supplemental appropriations.
2. $18,359 reappropriation from the Department of Commerce, Community, and Economic Development to UAF for deferred maintenance projects.

Note: Through a grant from the Department of Commerce, Community and Economic Development, UAA's Seawolf Hockey Alliance will receive $87,000 for scoreboard replacement.

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University of Alaska
FY23 Priority Deferred Maintenance (DM) and Renewal & Repurposing (R&R)
(in thousands of $)

	MAU	Project Name	Type	FY23 (Req.) Amount	FY23 (Dist.) Amount
1	UAF	Fairbanks Campus Building Interior & Systems Renewal (Bartlett/Moore student housing)	Main	20,500.0	23,000.0
2	UAA	Campus Building Interior & Systems Renewal (Professional Studies Building, Wendy Williams Auditorium, Social Sciences Building)	Main	11,171.0	11,171.0
3	UAS	Building Envelope & Roof Systems (Deck Mansards Replacement Paul Building)	Comm.	100.0	100.0
4	UAA	Campus Building Envelope & Roof Systems Renewal (Lucy Cuddy Hall, Consortium Library and Arcade & Bridge Lounge, Sally Monserud Hall)	Main	900.0	900.0
5	UAA	Campus Security and Safety (replace exterior/interior doors)	Main	429.0	429.0
6	UAF	Safety and Regulatory Compliance (renew HVAC and hydronic system, sanitary facilities, pool refurbishment, fire code corrections)	Main	7,775.0	5,600.0
7	UAS	Safety Improvements & Regulatory Compliance (fix or replace retractable bollards, emergency exit canopies and notification improvements)	Main/ Comm.	1,266.0	1,266.0
8	UAA	Community Campus HVAC Healthy Building Upgrades	Comm.	3,100.0	3,100.0
9	UAF	Rural and Community Campus Renewal (fire rated corridor egress & alarms, electrical distribution, fuel tank repair/replace)	Comm.	2,200.0	2,200.0
10	UAS	Exterior Infrastructure (fuel tank replacement, covered stairways, sidewalk repairs & drainage improvements)	Main	1,157.0	1,157.0
11	UAS	Interior Systems (elevator and HVAC replacement)	Comm.	577.0	577.0
12	UAF	Community and Technical College (CTC) Renewal (renovate restrooms)	Main	300.0	300.0
13	UASO	Replace Emergency Egress Lighting Power Supply (Butrovich)	Main	200.0	200.0
		Total		**50,000.0**	**50,000.0**

		Total DM/R&R	Distribution
UAA	Main	503,573.3	12,500.0
	Community	32,225.5	3,100.0
		535,798.8	15,600.0
UAF	Main	755,768.5	28,900.0
	Community	70,533.4	2,200.0
		826,301.8	31,100.0
UAS	Main/Comm.	24,203.3	3,100.0
UASO	Main	6,662.7	200.0
	UA Total	**1,392,966.5**	**50,000.0**

Approved by BOR 6/2/2022

UAF Fairbanks Campus Building Interior & Systems Renewal (Bartlett/Moore student housing)
Distribution: $23,000.0

Many of the buildings at UAF were constructed in the 1960s and 1970s and the original building interiors and systems are in very poor to failing condition, no longer adequate for current enrollment demands, and require replacement or upgrading. The systems including finishes, plumbing, ventilation, heating, lighting, and electrical, are expensive to operate due to their low efficiencies, lack of replacement parts and are no longer in compliance with current life safety codes. Failing systems are causing partial building closures across campus, increasing operating costs for temporary space, or in some cases displacing students to off-campus housing. In some cases, these deteriorating systems have caused class and research cancellations and eroded UAF's ability to obtain new grants and initiatives.

Replacement of these systems will allow for increased energy efficiencies and better environmental control throughout UAF's facilities. Projects in this category lower operational costs by upgrading or replacing old building systems with current up-to-date technology where there is greater payback. The work will also renew aging, highly-used components including sanitation improvements, securing aging interior classrooms and labs, and addressing building code/life safety issues. It will reduce the backlog of deferred renewal and increase the useful life of these facilities. Besides improving building functionality, renewed finishes, doors, restrooms and classrooms create a better impression for current and future students and the public. Modern, attractive facilities have a direct correlation to student enrollment and success.

The building interior and systems renewal projects address building finishes, plumbing, electrical, and heating/ventilation systems to increase efficiency, reduce maintenance costs and improve the living environment of highly used buildings. The projects also reduce building code deficiencies, and a growing deferred renewal backlog and address life safety items related to building interior finishes such as doors, hardware, flooring, and ceilings. Due to the age of UAF buildings, most projects have asbestos removal aspects and require upgrades to current codes and standards. The work performed within these projects preserves current facilities, extends the life of systems, and reduces the risk of failure that would impact program delivery.

- **Bartlett Hall and Moore Hall Modernization and Renewal:** Bartlett and Moore Hall are UAF's largest residence halls, housing 644 undergraduate and graduate students throughout the academic year. Built in the mid-1960s, the original sanitary plumbing infrastructure is corroded to the point of failure throughout both buildings, causing multiple partial building closures over the previous four years. Additionally, both facilities are showing their age and do not meet the modern student's expectations for campus housing. Architectural finishes are dated, damaged, and severely worn. Aging light fixtures are energy inefficient. The existing laundry located in the basement of Bartlett Hall poses safety concerns due to a significant egress code violation. This project will modernize both residence halls' restrooms, laundry facilities, and associated sanitation infrastructure by replacing the plumbing systems and reconfiguring the restrooms to comply with current building codes, ADA standards, and modern student resident expectations. Lighting and architectural finishes will be modernized to enhance the student experience. The Bartlett Hall laundry will be relocated to the ground floor to resolve code issues.

  Swift corrective action is needed in these two residence halls. Since fall 2021 semester start, three different levels of restrooms and showers were closed for 2-3 weeks at a time to make emergency repairs. The frequency of pipe failures and leaks has steadily increased since 2017 and now averages 5 major failures per academic year. UAF's ability to attract and retain students in modern, safe housing is severely impacted by deteriorating condition of these two buildings.

Approved by BOR 6/2022

UAA Campus Building Interior & Systems Renewal (Professional Studies Building, Wendy Williams Auditorium, Social Sciences Building)
Distribution: $11,171.0

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 Heating Ventilation and Air Conditioning (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, and deficient variable air volume (vav) boxes, and upgrade the building automation system controls.

This energy savings performance project will incorporate mechanical and electrical system improvements to three critical facilities, the Professional Studies Building (PSB), the Wendy Williamson Auditorium (WWA), and the Social Sciences Building (SSB). PSB and WWA have connected facilities and share some of the infrastructure scheduled for replacement as part of this project. All three facilities were constructed in the early 1970s and the infrastructure, for the most part, is original and requires replacement. The electrical and mechanical systems are antiquated and are beyond their useful life.

- **Professional Studies Building** (PSB) scope will include LED lighting upgrades, electrical safety upgrades, boiler replacement, replacement of the existing air handling unit fan with a fan wall system, and convert outdated pneumatic controls to direct digital controls (DDC).

- **Wendy Williamson Auditorium** (WWA) scope will include LED lighting upgrades, electrical safety upgrades, conversion of pneumatic controls to DDC, and hot water pump replacements.

- **Social Sciences Building** (SSB) scope will include LED lighting conversion, electrical safety upgrades, the addition of hydronic heating to the 2nd & 3rd floors of the building, conversion of pneumatic controls to DDC, and fin tube repairs.

UAS Building Envelope & Roof Systems (Deck Mansards Replacement Paul Building)
Distribution: $100.0

Building envelope and roof systems provide our students, staff, faculty, and building systems protection from wind, rain, snow, and cold. When a building envelope fails, everything inside the building is at risk of damage, and decay and can make the building unsafe and unusable. Building envelopes last 30-50 years depending on the construction type and require periodic cleaning, repainting, and resealing. New roof systems last 40-60 years and besides periodic cleaning need little maintenance. Two buildings in Juneau and both Sitka and Ketchikan campus building envelopes are more than 40 years old, showing signs of compromise, and need to be replaced.

- **Paul Deck Mansards Replacement (Ketchikan):** 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 Alaska and is now falling apart. This project will replace the siding/roofing material with a Bermuda metal material that is more resistant to constant rain. This project can be designed, bid, and constructed in the current fiscal year.

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UAA Campus Building Envelope & Roof Systems Renewal (Lucy Cuddy Hall, Consortium Library and Arcade & Bridge Lounge, Sally Monserud Hall)
Distribution: $900.0
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.

- **Lucy Cuddy Hall:** This project supports demolishing the existing roof system, increase parapet cap height, upgrade structural components for seismic restraint, replace roof decking as required and install a new roofing system.

- **Consortium Library:** This project will demolish the existing roof system, increase parapet cap height, upgrade structural components for seismic restraint, replace roof decking as required and install a new roofing system.

- **Arcade & Bridge Lounge Spine Connecting East & West Campus:** This project will demolish the existing roof system, increase parapet cap height, upgrade structural components for seismic restraint, replace roof decking as required and install a new roofing system.

- **Sally Monserud Hall:** This project supports demolishing the existing roof system, increase parapet cap height, upgrade structural components for seismic restraint, replace roof decking as required and install a new roofing system.

UAA Campus Security & Safety (replace exterior/interior doors)
Distribution: $429.0
Situated in the Universities and Medical District (UMED) district in the largest city in Alaska, safety and security is a university's top priority. Security enhancements improved by this project will allow UAA to keep current in compliance with Clery Act and will promote a safe campus, minimizing risk for the students and campus community. Security enhancements include expansion of recently upgraded access control system, key control management system, emergency communication platform upgrades and wayfinding.

UAF Safety & Regulatory Compliance (renew HVAC and hydronic system, sanitary facilities, pool refurbishment, fire code corrections)
Distribution: $5,600.0
Providing a safe and compliant campus for everyone is the top priority at UAF. UAF works hard to maintain a healthy campus, reduce risk to building occupants and ensure students have the safest experience possible, yet the aging campus is requiring larger upgrades to reduce risk and prevent injury. There are many facilities, constructed prior to code adoption in the State of Alaska, that do not meet current requirements for ventilation, disease mitigation, emergency egress, ADA/Title IX, and fire protection. Remaining in compliance requires an ongoing effort to modify and upgrade every component of campus from exterior hardscapes, elevators, building passageways, and restrooms to fire alarms, locker rooms, signage, and security infrastructure.

Safety and regulatory compliance projects provide updates to building features meant to protect the occupants, provide healthy spaces and reduce risk to our students, staff and faculty. Work includes updating ventilation to ensure sufficient fresh air is supplied to occupied rooms, replacing fire alarm systems, updating restrooms and other sanitation facilities, correcting emergency egress paths and abating asbestos-containing material.

Approved by BOR 6/2/2022

- **Patty Pool Code Compliance:** The Patty Pool is one of four public pools in the borough and is host to multiple community, high school and collegiate events, recreational activities, and classes. The pool natatorium requires a better ventilation system to meet building codes, provide proper environmental conditions and meet current CDC guidelines for fresh air supply during pandemics. Code corrections and renewal work in the first phase will replace the pool deck ventilation system and bring it up to the current required number of air exchanges, install a second means of egress from the pool deck, and replace the interior vapor barrier and insulation on the exterior envelope. A future phase will be developed to complete the finishes, plumbing, and structural repairs. Design in progress.

- **Salisbury Code Corrections:** Salisbury Auditorium is one of two large theaters in the Interior of Alaska capable of hosting dramatic theater productions. During a recent fire inspection, multiple deficiencies were noted, and the facility was closed by the local fire marshal. The majority of the smaller deficiencies were corrected during the summer of 2021 however, larger items that require substantial construction and time to repair prior to re-opening to the public will require a significant capital investment. The basic code corrections work includes replacement or repair of firewalls, replacement of theater curtains, replacement of a smoke ventilator and refurbishment of the trap floor. The work also includes fire separation of the theater stage from support spaces such as dressing rooms, restrooms, and the green room. A future larger R&R project will be required to address seismic, ADA and programmatic updates.

- **Rasmuson Library Student Success Center:** A portion of the Rasmuson Library will be renovated and modernized to create a central, collaborative hub for student support services. The outcome will integrate high-impact academic and advising functions in a student-oriented starting space. A portion of the project will address critical deferred maintenance related to code corrections in plumbing and ventilation systems, updating the fire alarm systems, and replacing emergency egress lights and exit signage.

UAS Safety Improvements and Regulatory Compliance (fix or replace retractable bollards, emergency exit canopies and notification improvements)
Distribution: $1,266.0

The safety of our students, staff, and faculty is of great importance to UAS and employees strive to keep our facilities in compliance with current building codes, health mandates and safety standards. Regulatory agencies frequently update their requirements as investigations find safer ways to build buildings and as new technologies prove themselves to increase the health and safety of building occupants. Building owners are allowed to postpone implementing many of these regulatory changes until the next major building renovation. However, some of them are mandated to be implemented by a specified date. In addition, UAS is always looking for ways to improve campus safety regardless of regulatory mandates. Many of the fire alarm systems on campus are old and the manufacturer no longer makes replacement parts. Southeast Alaska communities are relatively safe compared to larger communities. However, theft from vehicles in parking lots, unauthorized access to campus and publicly aware community make for frequent requests for improving campus safety. Four current priority projects in this category include:

- **TEC Welding Lab Fire Alarm Replacement:** Technical Education Center (TEC) welding lab fire alarm panel is no longer supported and if an alarm component fails there will be no way to repair the fire alarm system. UAS welding classes and programs will be significantly impacted if the fire alarm fails before it is replaced. This project will replace the fire alarm system. This project can be bid and constructed in this fiscal year.

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- **Mourant Emergency Notification & Acoustic Improvements:** The acoustics in the Mourant Cafeteria are very bad making it difficult to hear the person talking across the table, or someone making announcements at an event and it is near impossible to hear the UAS emergency notification phone intercom messages. This project will install a sound system that is connected to UAS Cisco Infromacast system that can transmit emergency messages and will provide high-quality speech reinforcement for presentations and group meetings. This project can be designed, bid, and constructed in the current fiscal year

- **Juneau Campus Courtyard Safety Improvements:** Fix or replace retractable bollards; UAS has retractable bollards to prevent unauthorized vehicle traffic from driving thru the campus courtyard. However, the bollards are typically not working allowing unauthorized vehicles to enter the courtyard. This detracts from the pedestrian-friendly and student-centered nature of the campus courtyard. These unauthorized vehicles include vendors, UAS staff, faculty, facilities services, and the general public. Safety is compromised by having vehicles using the same travel way as pedestrians. This project will investigate options for keeping the pedestrian-friendly nature of the campus courtyard. These options may include; more dependable bollards, sliding/tilting gates, high back curbs, permanent fire barricade bollards, separate service entrances, and stricter penalties for violators.

- **Building Tech Lab Exit Canopy (Sitka)**: Currently snow slides off the roof and falls in front of a building emergency exit. This presents a safety hazard to students, staff, and faculty if maintenance crews are not able to remove the snow before they need to use the emergency exit. This project will construct a canopy over the exit door area that will shed the roof snow away from the exit door.

UAA Community Campus HVAC Healthy Building Upgrades
Distribution: $3,100.0
Consistent with recommendations by the CDC for educational buildings, this project improves indoor air quality by upgrading antiquated air systems with new technology that can support Merv 14 air filtration. This project focuses on high-risk buildings including: large congregate venues, food consumption venues and classroom facilities. Work will be done at the Kodiak Campus, Kenai River Campus, Kachemak Bay Campus, Mat-Su Campus, and the Prince William Sound Campus.

UAF Rural and Community Campus Renewal (fire rated corridor egress & alarms, electrical distribution, fuel tank repair/replace)
Distribution: $2,200.0
UAF's College of Rural and Community Development (CRCD) campus sites span Alaska with facilities in Fairbanks, Nome, Bethel, Dillingham, and Kotzebue. These sites provide valuable educational and cultural resources to their local and surrounding communities. Major renewal of the buildings has been a consistent effort over the last several years utilizing capital, operating, and grant funding. Despite these efforts, deferred renewal and code correction work is still required to maintain the critically important campuses.
The remote locations of the CRCD campuses require UAF to prioritize regulatory compliance, distance education, energy efficiency, and conservation projects. The priority projects for rural campuses are fire alarm upgrades and fuel tank compliance. Replacement of these systems supports building occupancy and program delivery continuity. Systematic, energy-efficient building improvements use higher-grade, durable construction materials that reduce operational and maintenance costs. This also reduces the frequency of building system failures that are especially costly due to emergency shipping of both labor and material.

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- **CRCD Fire Alarm Replacement for End of Life:** Approx. 10 fire alarm panels at the rural campus sites 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 next facility to replace is Margaret Wood Building in Dillingham with future phases for John Sackett Hall and the Maggie Lind Building in Bethel.

- **Kuskokwim Campus Vocational Education Center Electrical Code Compliance**: This two-story facility was constructed in phases between 1977 and 1982. The main academic building contains faculty and staff offices, classrooms, and a vocational education area. The existing main electrical distribution panel is located in the main vocational classroom area and has been cited for several code corrections. This solution includes addressing multiple other modernization needs and is relocating the panel to a new location and replacing other features like the surge suppressor and the grounding system.

- **CRCD Campus Wide Fuel Tank Compliance:** Throughout the rural campus locations, fuel oil tanks are a necessity for heat production. Some locations have tanks that are well beyond their useful life and have multiple deficiencies. The project will fix code deficiencies associated with the fuel tanks and piping for CRCD facilities statewide.

- **Chukchi Campus Admin/Classroom Code Corrections:** During a recent maintenance code review of the campus facilities, engineers determined a portion of the building's exit corridors are not fire rated in accordance with the building codes. Fire rated exits provide safe and quick passage out of the building in the event of a fire. The project will provide corrective action to update exit doors and corridors to a fire rated assembly and replace the fire alarm system.

UAS Exterior Infrastructure (fuel tank replacement, covered stairways, sidewalk repairs & drainage improvements)
Distribution: $1,157.0
Exterior Infrastructure consists of all UAS facilities that are located outside of a building including, roads, parking lots, sidewalks, landscaping, and distribution systems for water, wastewater, communication, and power. There are several areas on campus where the exterior infrastructure is showing signs of its age, increasing the risk of failure and reducing the safety of our campus community.

Four current priority projects in this category include:

- **Housing Lodge Fuel Tank Replacement**: The tank is 35 years old, supplies the lodge's emergency generator and has reached the end of its expected life. Facilities Services recommends replacing this tank before it starts leaking and creating an environmental liability for the University. This project will replace the existing tank with a new double-wall tank with an interstitial monitoring system meeting current environmental codes. This project can be bid on and constructed in the current fiscal year.

- **Housing Apartments Fuel Tank Replacement:** Housing Apartment Unit fuel tanks are 35 years old and reached the end of their useful life and need to be replaced before they start leaking. This project will replace the 9 existing fuel tanks with new double-walled tanks with leak detection monitoring systems. Phase 1 will replace 5 tanks and Phase 2 will replace the remaining 4 tanks.

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- **Campus Housing Drainage Improvements:** There are several places around the housing apartments where drainage features are inadequate resulting in water flowing across sidewalks and freezing. The grounds crew spend a lot of time shoveling and sanding the sidewalks but is often not enough to prevent students from slipping on the ice. This project will install drainage pipes, ditches French drains and other drainage features to keep the water off the sidewalks. This project can be designed, bid and constructed in the current fiscal year

- **Covered Stairway Mourant:** The pedestrian route from the courtyard to the lower levels of classrooms in Novatney & Whitehead buildings is not intuitive, which causes students and staff to take a shortcut down the steep grass slope between the Mourant and Novatney buildings. This is not a formal sidewalk or stairway and is unsafe, especially during the winter when the slope is covered in ice or snow. This project will install a covered stairway from the courtyard down to the lower sidewalk level.

UAS Interior Systems (elevator and HVAC replacement)
Distribution: $577.0

Building systems makes the interiors of our facilities a pleasant and safe place to study, work and learn. Heating systems keep the buildings warm in the winter. Ventilation systems bring fresh outside air into the building and keep air circulating through the building to prevent the growth of mold and mildew. Lighting, communication, water and wastewater systems keep the building occupants safe and productive. Many of UAS buildings are more than 40 years old. While some of the interior systems have been updated, there are still many Interior Systems that have exceeded their design life and need to be replaced with new and more efficient systems.

Two current priority projects in this category include:

- **Paul Elevator Replacement (Ketchikan):** Lighting switches in the health sciences areas of the facility have mostly failed. UAS hired an electrical design consultant to come up with a repair. The consultant recommended the complete replacement of all the switches in the Health Science area. This project will complete the electrical design and replace all of the switches. This project can be designed, bid and constructed in the current fiscal year.

- **HVAC Controls Replacement (Sitka):** The HVAC control systems throughout the Sitka building are old pneumatic controls that gives UAS limited options to control the heating and ventilation system. This project will replace the pneumatic controls with digital controls that can be read, monitored, and controlled by the building automation system. This will allow implement building HVAC control strategies that will help save money on utility costs. This project supports UA's priority of reducing the fixed cost base by increasing the efficiency of the heating and ventilation system and lowering annual energy costs.

UAF Community and Technical College Renewal (CTC) (renovate restrooms)
Distribution: $300.0

UAF's Community and Technical College provides high-demand workforce development degrees and training programs across the Interior of Alaska. Programs within the college such as emergency services training and airframe and powerplant certification quickly prepare students for immediate placement in skilled trades. The college's facilities are mostly comprised of aged buildings given to the University and repurposed for these programs. Deferred maintenance was transferred with most of these assets and the facilities suffer from functional obsolescence.

Approved by BOR 6/2/2022

- **University Park Restroom Renovation:** The restrooms at the University Park Building are of 1957 vintage, installed when the building was an elementary school. The restrooms are in poor condition and do not provide proper sanitation facilities for the users. The project will completely gut and renovate the restrooms to bring them up to current standards and code and make them fully operational. The upgrade will replace plumbing, water closets, sinks, old convection heating terminal units, tiles, and restroom accessories and create ADA accessible stalls.

UASO Replace Emergency Egress Lighting Power Supply (Butrovich)
Distribution: $200.0

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. This project will address issues with the emergency egress lighting power supply; replace the two oldest units, combine several units and document emergency egress lighting and signage.

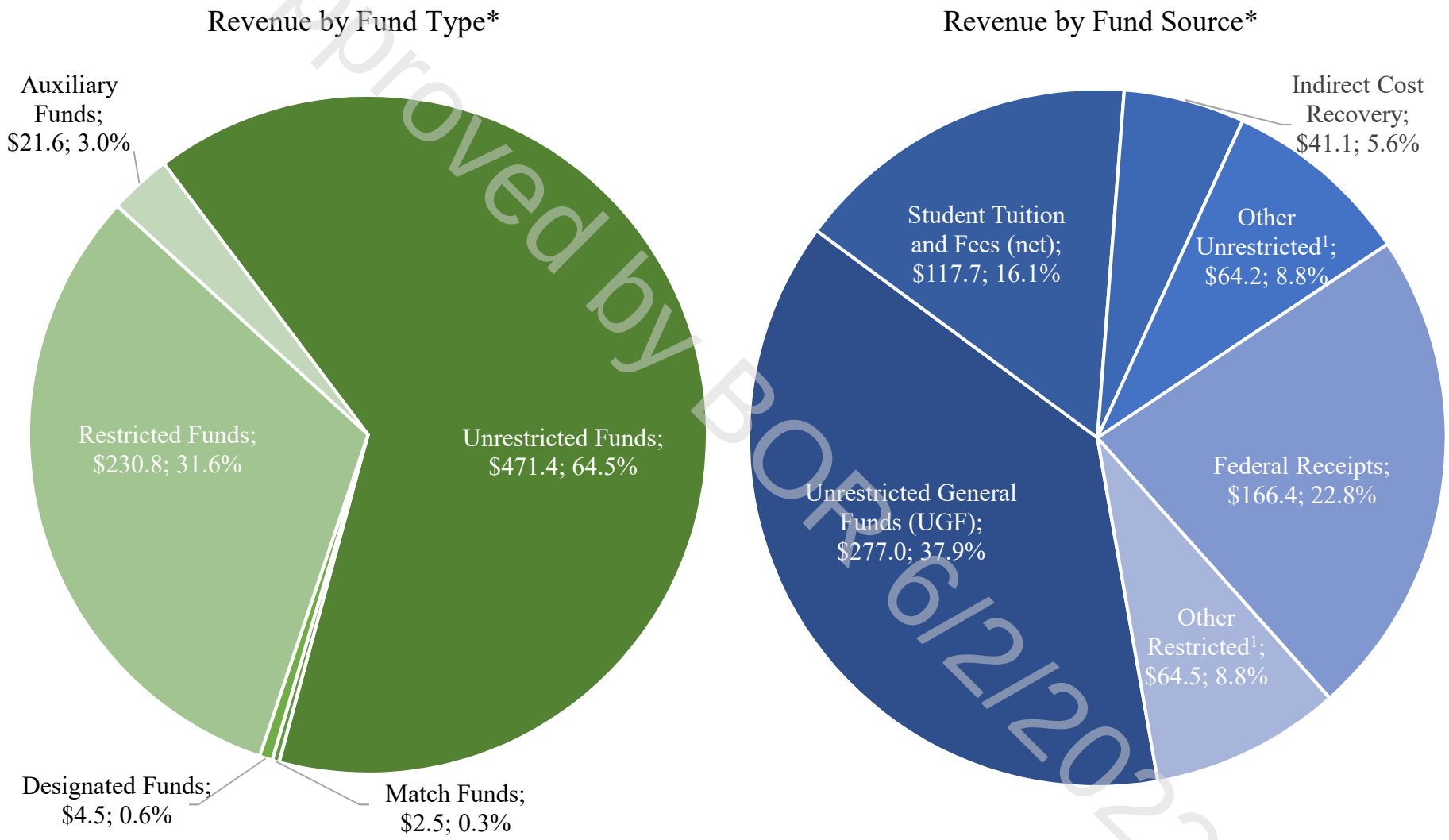
Approved by BOR 6/2/2022

Operating Budget
References

Approved by BOR 6/2/2022

University of Alaska
FY21 Revenue by Fund Type and Fund Source
(in millions of $)

Approved by BOR 6/2/2021



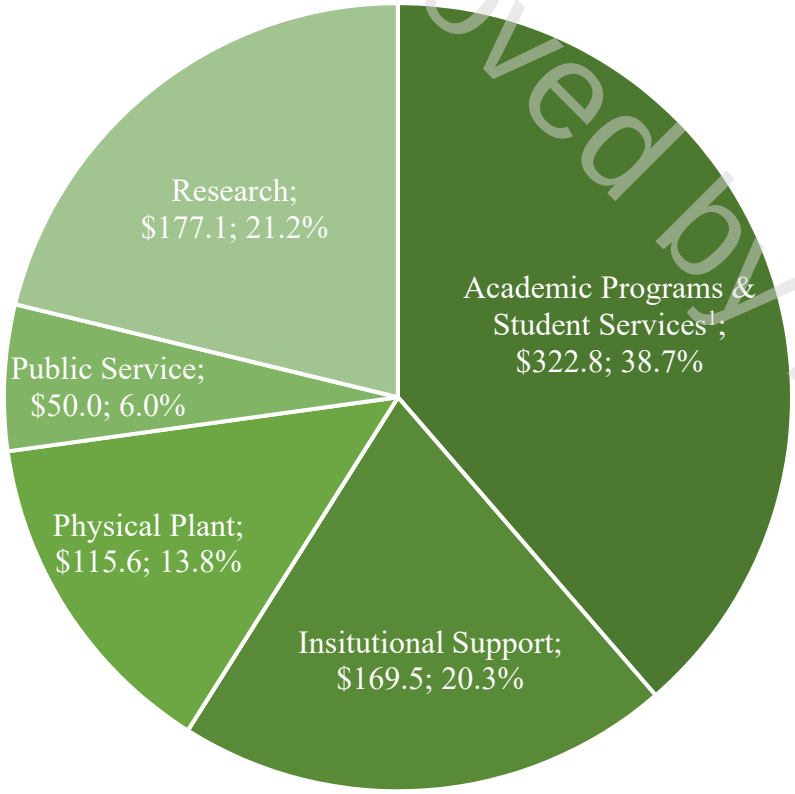
1. Other Restricted and Other Unrestricted Funds includes the following fund sources: State Inter-Agency Receipts, Interest Income, Auxiliary Receipts, University Receipts, Capital Improvement Project (CIP) Receipts, Mental Health Trust Authority Authorized Receipts (MHTAAR), Technical Vocational Education Program (TVEP), and License Plate.

* Excludes UA-intra agency receipts and includes Covid funding.

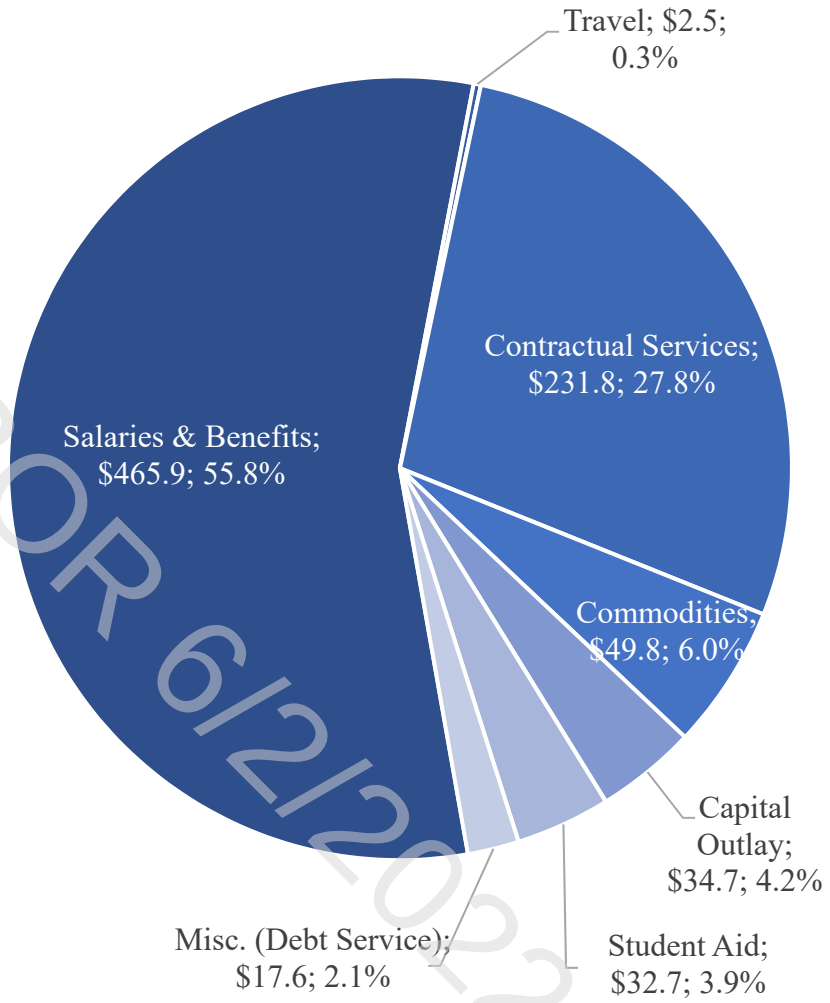
University of Alaska
FY21 Expenditure by NCHEMS Category and Natural Classification
(in millions of $)

Approved by BOR 6/2/2021

Expenditure by NCHEMS Category



Expenditure by Natural Classification



1. Academic Programs & Student Services includes the following NCHEMS categories: Academic Support, Instruction, Intercollegiate Athletics, Library Services, Scholarships, Student Services, and Auxiliary Services.

Capital Budget
References

Approved by BOR 6/2/2022

University of Alaska
Capital Budget Request vs. State Appropriation
FY14-FY23
(in thousands of $)

Request	Renewal and Repurposing	Add/Expand	New Facilities	Equipment	Other[1]	Total
FY14	162,500.0		108,900.0		12,500.0	283,900.0
FY15	37,500.0		273,900.0		7,900.0	319,300.0
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
Total	650,000.0		453,150.0		95,781.4	1,198,931.4
10 yr. Avg.	65,000.0		45,315.0		9,578.1	119,893.1

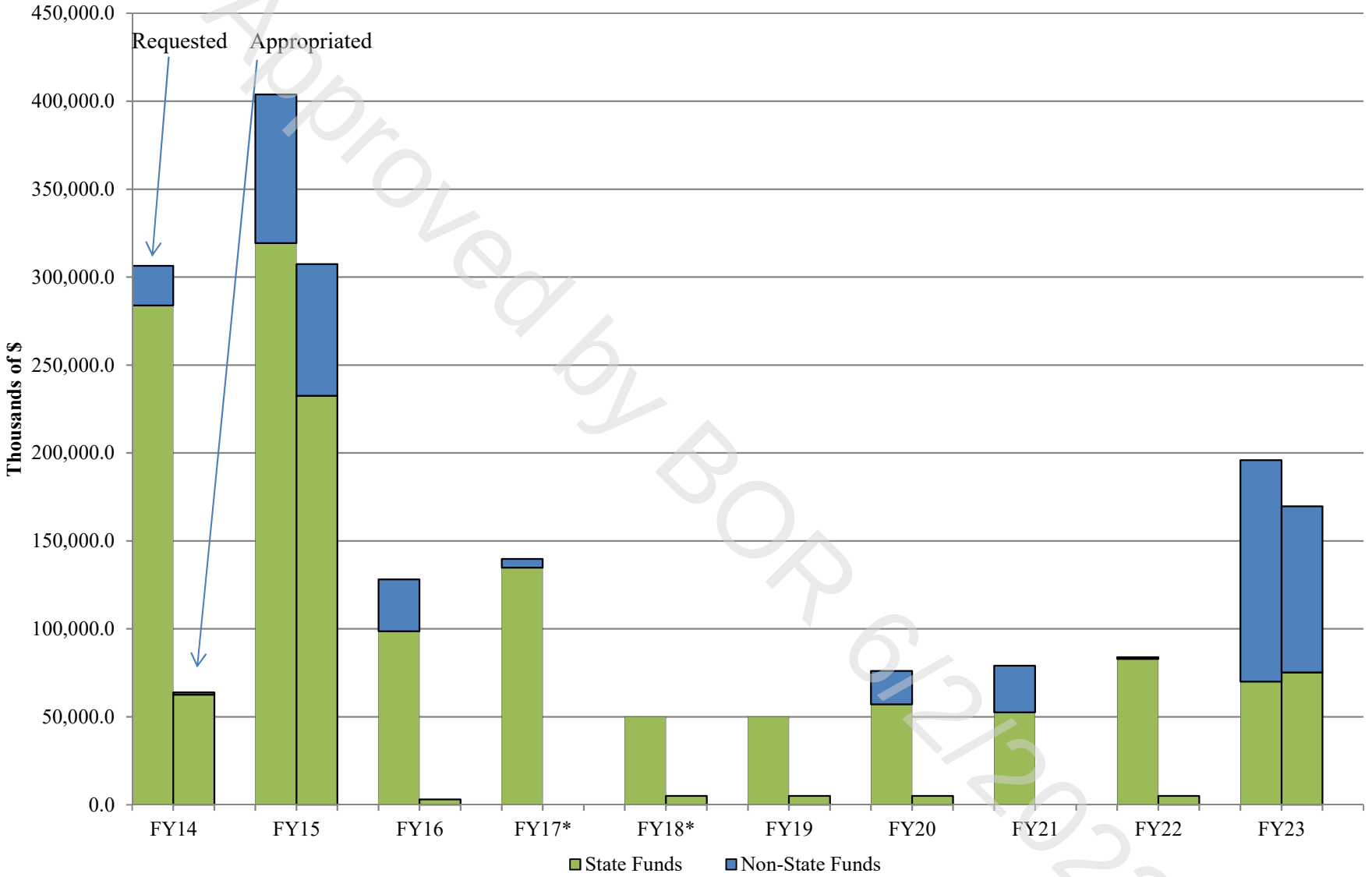
Approp.	Renewal and Repurposing[2]	Add/Expand	New Facilities	Equipment	Other[1]	Total
FY14	30,000.0		30,000.0		2,581.8	62,581.8
FY15	19,273.0		212,600.0	120.0	450.0	232,443.0
FY16	3,000.0					3,000.0
FY17						
FY18	5,000.0					5,000.0
FY19	5,000.0					5,000.0
FY20	5,000.0					5,000.0
FY21						
FY22	5,000.0					5,000.0
FY23	50,018.4				25,250.0	75,268.4
Total	122,291.4		242,600.0	120.0	28,281.8	393,293.2
10 yr. Avg.	12,229.1		24,260.0	12.0	2,828.2	39,329.3

1. Includes research and other capital appropriations.

2. Excludes funds reallocated from the operating budget for: Strategic Investments (SI): FY17 - $10.0 million; FY18 - $5.0 million, and non-state; Natural Resource Funds (NRF): FY17 - $269.3 thousand; FY18 - $300.4 thousand.

Approved by BOR 6/2/2022

University of Alaska
Capital Request and Appropriation Summary
FY14-FY23 (in thousands of $)



Approved by BOR 6/2/2022

* Excludes funds reallocated from the operating budget for: Strategic Investments (SI): FY17 - $10.0 million; FY18 - $5.0 million, and non-state; Natural Resource Funds (NRF): FY17 - $269.3 thousand; FY18 - $300.4 thousand.

University of Alaska
State Appropriation Summary by Category
FY14-FY23
(in thousands of $)

Campus	Location	Renewal and Repurposing[2]		Additions / Expansions	New Facilities		Equipment		Other[1]		Total	
Anchorage Campus	Anchorage	39,173.8	32.0%		60,600.0	25.0%			400.0	1.4%	100,173.8	25.5%
Kenai Peninsula College	Soldotna	1,673.9									1,673.9	
Kachemak Bay	Homer	380.1							50.0		430.1	
Kodiak College	Kodiak	957.2	4.6%							0.2%	957.2	1.4%
Matanuska-Susitna College	Palmer	1,782.3									1,782.3	
Prince Wm. Sound College	Valdez	785.4									785.4	
	UAA	44,752.8	36.6%		60,600.0	25.0%			450.0	1.6%	105,802.8	26.9%
Fairbanks Campus	Fairbanks	62,537.6	51.1%		182,000.0	75.0%			7,750.0	27.4%	252,287.6	64.1%
Community & Technical College	Fairbanks	510.0	0.4%								510.0	0.1%
Bristol Bay Campus	Dillingham	200.0									200.0	
Chukchi Campus	Kotzebue	95.4									95.4	
Interior Alaska Campus	Tok											
Interior Alaska Campus	Fort Yukon		1.4%									0.4%
Interior Alaska Campus	Fairbanks											
Kuskokwim Campus	Bethel	970.0									970.0	
Northwest Campus	Nome	4.6									4.6	
College of Rural & Comm. Dev.	Various	417.0									417.0	
	UAF	64,734.6	52.9%		182,000.0	75.0%			7,750.0	27.4%	254,484.6	64.7%
Juneau Campus	Juneau	11,490.0	9.4%				120.0	100.0%	81.8	0.3%	11,691.8	3.0%
Ketchikan Campus	Ketchikan	250.0	0.4%								250.0	0.1%
Sitka Campus	Sitka	250.0									250.0	
	UAS	11,990.0	9.8%				120.0	100.0%	81.8	0.3%	12,191.8	3.1%
UA System Office	Fairbanks	814.0	0.7%						20,000.0	70.7%	20,814.0	5.3%
	UASO	814.0	0.7%						20,000.0	70.7%	20,814.0	5.3%
	UA Grand Total	122,291.4	100.0%		242,600.0	100.0%	120.0	100.0%	28,281.8	100.0%	393,293.2	100.0%
	% of Total	31.1%			61.7%		0.0%		7.2%		100.0%	

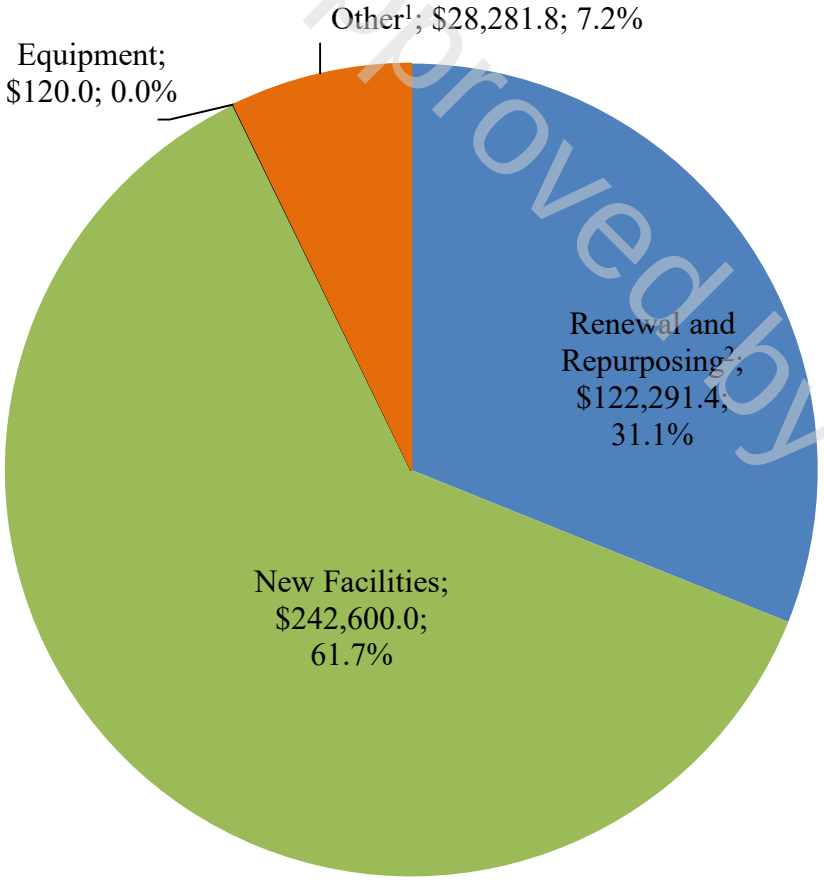
1. Includes research and other capital appropriations.

2. Excludes funds reallocated from the operating budget for: Strategic Investments (SI): FY17 - $10.0 million; FY18 - $5.0 million, and non-state; Natural Resource Funds (NRF): FY17 - $269.3 thousand; FY18 - $300.4 thousand.

Approved by BOR 6/21/22

State Appropriation Summary by Category FY14 - FY23

(in thousands of $)



New Facilities and Major Expansions[3]

UAA

Engineering Building (FY11 - FY15) $123,200.0

UAF

Engineering Building (FY11 - FY15) $73,946.7

Heat & Power Plant Major Upgrade (FY15) $162,000.0

1. Includes research and other capital appropriations.
2. Excludes funds reallocated from the operating budget for: Strategic Investments (SI): FY17 - $10.0 million; FY18 - $5.0 million, and non-state; Natural Resource Funds (NRF): FY17 - $269.3 thousand; FY18 - $300.4 thousand.
3. Complete project totals for state appropriations are listed even if a portion is outside the timeframe represented in the pie chart.

Approved by BOR 6/2/2022