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Deferred Maintenance (DM): UA's FY14 Deferred Maintenance requests of \$37.5 million will continue to exclusively address the huge, Systemwide maintenance backlog. This will be the fourth year of the Governor's 5-year plan to reduce the State's DM backlog. The highest priority DM and R&R projects at the main campuses are the UAA Beatrice McDonald Building in Anchorage, UAF Cogen Heating Plant Required Upgrades to Maintain Service in Fairbanks, and UAS Auke Lake Way Campus Entry Improvements and Road Realignment in Juneau. The DM and R&R funding distribution plan is included on page 25 and is based on the adjusted value and age of the individual campus facilities.

Deferred Maintenance (DM): An additional DM Backlog Reduction request of \$75 million is absolutely necessary in order to have any hope of reducing UA's untenable DM growth rate. This level of DM will also significantly minimize the expenditures for emergency response maintenance; this kind of maintenance is universally much more expensive and disruptive than performing preventative maintenance, routine maintenance, and capital reinvestment on a planned basis.

Renewal & Repurposing (R&R): Annual Renewal and Repurposing (R&R) Sustainment Initiative funding of \$50 million is approximately 2.5% of the UA's facilities adjusted value...an industry standard. Sus8-10(d vj ac0.004 Tc 0.004)-7(8uici)-2(ri)-3l:(m)-2(nddj)-2(us)q Tc 0 Tw T\* c0 Tw Tandard\$ciA's 1  
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**University of Alaska**  
**Proposed FY14 Capital Budget Request**  
(in thousands of \$)

	<b>State</b>	<b>Receipt</b>	<b>New</b>	
	<b>Approp.</b>	<b>Auth.</b>	<b>Legislation</b>	<b>Total</b>
<b>Deferred Maintenance(DM)/Renewal &amp; Repurposing(R&amp;R)</b>	37,500.0			37,500.0
<i>UAA Main Campus</i>	9,105.0			9,105.0
<i>UAA - Community Campuses</i>	1,879.0			1,879.0
<i>UAF Main Campus</i>	22,161.0			22,161.0
<i>UAF - Community Campuses</i>	970.0			970.0
<i>UAS Main and Community Campuses</i>	2,771.0			2,771.0
<i>UA - Statewide</i>	614.0			614.0
 <b>Additional DM Backlog Reduction</b>	 75,000.0			 75,000.0
<i>UAF Cogen Power Plant</i>	22,000.0			22,000.0
<i>UAS Hendrickson Remodel and Renovation</i>	3,600.0			3,600.0
<i>DM Projects Systemwide</i>	49,400.0			49,400.0
 <b>Annual Renewal &amp; Repurposing Sustainment Initiative</b>			50,000.0	50,000.0
 <b>New Starts/Continuation</b>				
UA Engineering Building Completion	108,900.0	10,000.0		118,900.0
UAF Cold Climate Housing Research Center		1,300.0		1,300.0
Sustainable Village Phase 2-4				
 <b>Research for Alaska</b>				
UAF Alaska Chinook Salmon Production and Decline	3,100.0	6,200.0		9,300.0
UAF Partnership to Develop Statewide Energy Solutions	5,500.0	3,000.0		8,500.0
<i>Energy Technology Testing and Development</i>	3,500.0	3,000.0		6,500.0
<i>Energy Analysis</i>	1,000.0			1,000.0
<i>Comprehensive Fossil Fuel Research</i>	1,000.0			1,000.0
UAF Improving Arctic Oil Spill Response through a	1,500.0	2,000.0		3,500.0
Dedicated Oil Spill Science and Technology Center				
UAF Enhance Base Maps for Alaska Resources	1,900.0			1,900.0
 <b>Other Capital Requests</b>				
SW Replace Wide Area Network Components	500.0			500.0
 <b>Total FY14 Proposed Capital Budget</b>	<b>233,900.0</b>	<b>22,500.0</b>	<b>50,000.0</b>	<b>306,400.0</b>

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

	FY14			State Appropriations			
	State Approp.	Receipt Auth.	New Legislation	Total	Short-Term FY15-FY16	Mid-Term FY17-FY18	Long-Term FY19-FY23
<b>Deferred Maintenance (DM) / Renewal &amp; Repurposing (R&amp;R)</b>							
Facilities Deferred Maintenance/Renewal & Repurposing	37,500.0			37,500.0	37,500.0		
Modernize Classrooms					10,000.0	10,000.0	25,000.0
<b>Additional DM Backlog Reduction</b>	75,000.0			75,000.0	120,000.0	90,000.0	
<i>UAF Cogen Power Plant</i>	22,000.0			22,000.0			
<i>UAS Hendrickson Remodel and Renovation</i>	3,600.0			3,600.0			
<i>DM Projects Systemwide</i>	49,400.0			49,400.0			
<b>Annual Renewal &amp; Repurposing Sustainment Initiative<sup>1</sup></b>			50,000.0	50,000.0			
<b>New Starts/Continuation<sup>2</sup></b>						160,000.0	400,000.0
<b>Academic Facilities</b>							
UA Engineering Building Completion (UAA and UAF) <sup>3</sup>	108,900.0	10,000.0		118,900.0			
UAA Health Sciences Ph. II/Parking Structure <sup>4</sup>					12,000.0	109,000.0	
Kodiak Community Campus Vocational Technology and Shop Facility					14,550.0	4,200.0	
<b>Research Facilities</b>							
UAF Energy Technology Facility (\$14M in UAR)					11,000.0		
<b>Student Life (Housing), Support, and Other Facilities</b>							
UAF Cold Climate Housing Research Center Sustainable Village Phase 2-4		1,300.0		1,300.0			
UAF P3 Campus Housing Project (\$35M in UAR)					30,000.0		
UAS Student Housing Phase II (\$1.0M in previous UAR)					6,250.0		
<b>Infrastructure</b>							
UAF Cogen Power Plant					175,000.0		
<b>Planning and Design<sup>2</sup></b>						16,000.0	40,000.0
<b>Research for Alaska</b>							
UAF Alaska Chinook Salmon Production & Decline	3,100.0	6,200.0		9,300.0			
UAF Partnership to Develop Statewide Energy Solutions	5,500.0	3,000.0		8,500.0	5,000.0		
<i>Energy Technology Testing and Development</i>	3,500.0	3,000.0		6,500.0	1,000.0		
<i>Energy Analysis</i>	1,000.0			1,000.0	2,000.0		
<i>Comprehensive Fossil Fuel Research</i>	1,000.0			1,000.0	2,000.0		
UAF Improving Arctic Oil Spill Response through a Dedicated Oil Spill Science and Technology Center	1,500.0	2,000.0		3,500.0	500.0		
UAF Enhance Base Maps for Alaska Resources	1,900.0			1,900.0	1,050.0		
<b>Other Capital Requests</b>							
SW Replace Wide Area Network (UA Core Network) Components	500.0			500.0	600.0		
Bethel Campus Bandwidth Upgrades					5,000.0		
	<b>233,900.0</b>	<b>22,500.0</b>	<b>50,000.0</b>	<b>306,400.0</b>	<b>427,950.0</b>	<b>389,200.0</b>	<b>465,000.0</b>

<sup>1</sup> Annual Requirement for R&R may also be considered as part of the building fund through the operating budget (estimate for buildings 15 years and newer \$10M)

<sup>2</sup> Additional planning and new start projects for the out-years will be developed to support academic and strategic goals based on a MAA/SON

<sup>3</sup> Includes new construction, known renovations to accommodate programmatic change and associated infrastructure costs

<sup>4</sup> The first year of this capital request is for planning and design

**UA Deferred Maintenance (DM) and Renewal & Repurposing (R&R)**

**Deferred Maintenance (DM) / Renewal & Repurposing (R&R)**

FY14 (GF: \$37,500.0, Total: \$37,500.0)

FY15-FY16 (GF: \$37,500.0, Total: \$37,500.0)

This request is the fourth year of the Governor's \$100 million per year commitment to the reduction of the State's deferred maintenance. This portion has been assigned to UA in the past based on the square footage of the State's facilities, excluding roads.

**Additional DM Backlog Reduction**

FY14 (GF: \$75,000.0, Total: \$75,000.0)

FY15-FY18 (GF: \$210,000.0, Total: \$210,000.0)

An additional DM Backlog Reduction request of \$75 million is absolutely necessary in order to have any hope of reducing UA's runaway DM growth rate. This level of DM will also significantly minimize the expenditures for emergency response maintenance; this kind of maintenance is universally much more expensive and disruptive than performing preventative maintenance, routine maintenance, and capital reinvestment on a planned basis. This additional DM backlog funding will be able to fund, or partially fund, large deferred maintenance projects like UAF's Cogen Power Plant for \$22M (project description on page 8) and UAS Hendrickson Remodel and Renovation for \$3.6M (project description on page 22).

**Annual Renewal & Repurposing Sustainment Initiative**

FY14 (GF: \$50,000.0, Total: \$50,000.0)

Annual Renewal and Repurposing (R&R) Sustainment Initiative funding of \$50 million is approximately 2.5% of the UA's facilities adjusted value...an industry standard.

Programmatically funding regular annual R&R is essential to prevent adding to the R&R/DM backlog.

The University is pursuing legislation for the University Building Fund (UBF) that would model the State's Alaska Public Building Fund. The new legislation would also establish base state R&R appropriation funding for the UBF.

**UA New Starts/Continuation**

**UAA Engineering Building Completion**

FY14 (GF: \$60,600.0, Total: \$60,600.0)

The School of Engineering spent over \$500K in FY10 for the use of temporary facilities including; two 1,000 gsf portable buildings located north of the Engineering building; rental of a warehouse off campus for use as a design studio; and the temporary reallocation of the University Lake Building (ULB) Annex for Engineering program needs. The State of Alaska moved out of the ULB Annex space in late July 2009 and it was intended for University Police and IT system backup to occupy this space. These dispersed, on and off campus, facilities of about 14K gsf help meet the current program needs, but are extremely inefficient for effective program delivery and still are substantially less than peer institutions.

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FY14 Capital Budget Request Project Descriptions

**Research for Alaska**

**UAF Alaska Chinook Salmon Production and Decline**

## FY14 Capital Budget Request Project Descriptions

### **UAF Improving Arctic Oil Spill Response through a Dedicated Oil Spill Science and Technology Center**

FY14 (GF: \$1,500.0, NGF: \$2,000.0 Total: \$3,500.0)

FY15-FY16 (GF: \$500.0, Total: \$500.0)

UAF is building a Center for Oil Spill Prevention and Preparedness in the Arctic by focusing the subject matter experts across the University on research applicable to Arctic oil spills. UAF is partnering with State and Federal agencies, industry, and other academic institutions to support wise decision-making concerning Arctic oil spill response and prevention by working to fill gaps in existing knowledge.

### **UAF Enhance Base Maps for Alaska Resources**

FY14 (GF: \$1,900.0, Total: \$1,900.0)

FY15-FY16 (GF: \$1,050.0, Total: \$1,050.0)

Alaska's Statewide Digital Mapping Initiative (SDMI) is an interagency program producing updated high-resolution imagery and elevation model data for the entire state. The base imagery and elevation mapping program is well underway, with a new, high resolution satellite image of the entire state to be complete in 2014. Elevation mapping statewide is projected to be complete within the decade. This proposed effort will be directed at providing much needed information critical for assessment and potential development of Alaska's resources. Increased capability to monitor and document land surface conditions and characteristics will improve the ability to detect and respond to the changing environment, assess resources, and plan new development.

Such monitoring is particularly needed in regions of rapid change, such as in areas changed by wildfires, along coast li-14(g)[(a)6(b)2](T\* [(hat)-2(e)4dd-2(n a)6(l) 4( d)-4e-2(on m)-2(y7(og)3s)-5(o)-4 ( b)-4

## **10-Year Capital Improvement Plan Projects (FY15-FY23)**

### **UAF Cogen Power Plant**

FY14 (GF: \$22,000.0, Total: \$22,000.0)

FY15-FY16 (GF: \$175,000.0, Total: \$175,000.0)

The 2006 Utilities Development Plan identified the preferred option for providing current and future energy (electric and building heat) as replacing and expanding the current coal fired combined heat and power (CHP) plant. New efficient coal boilers represent the lowest life cycle cost as well as the lowest carbon footprint of the options explored. The existing coal boilers and steam turbine have reached the end of their useful life and need to be replaced prior to experiencing a catastrophic failure. The campus energy needs have also grown to the point where purchases of power from GVEA and use of oil have significantly increased UAF's energy costs. A new efficient plant will decrease annual operating costs.

### **UAA Health Sciences Phase II Building and Parking Structure**

FY15-FY16 (GF: \$12,000.0, Total: \$12,000.0) - *Planning*

FY17-FY18 (GF: \$109,000.0, Total: \$109,000.0)

UAA is uniquely situated, surrounded by two of the largest hospital complexes in Alaska. As the U-Med District grows, partnerships with neighboring institutions continue to emerge. For the past decade, the University has been in discussion with neighboring institutions about partnering for joint-use health care training facilities. In addition, the demand for health care professionals throughout the state has resulted in a call for increased course and program offerings that UAA is unable to meet because of a lack of facilities.

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

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

This project was identified in the 2003-2013 timeframe of the 2004 UAA Master Plan as amended in February 2009. It is in keeping with the UA Strategic Plan goals of student success, educational quality, faculty and staff strength, and responsiveness to state needs, technology and facility development.



## FY14 Capital Budget Request Project Descriptions

have space where public and private entities can interact with the university. With its present distribution across campus, there is no central location that brings the university and the community together around energy solutions. In addition, the lack of appropriate space also makes it challenging to hire and retain the type of world-class researchers needed to meet ACEP's long-term program goals.

### **UAF P3 Campus Housing Project**

FY15-FY16 (GF: \$30,000.0, NGF: \$35,000.0 Total: \$65,000.0)

The UAF Campus Housing Project includes an estimated 250 new beds in 3 new suite style dorm facilities. These facilities will be in the core of campus along Copper Lane. This is the next step in transforming UAF's student environment and continues UAF progress using a public private partnership developer approach. The housing complements the UAF funding dining addition to Wood Center that replaces the outmoded and inefficient 49yr-old Lola Tilly cafeteria, 4 new Sustainable Village housing units accommodating up to 18 student in a living, learning, research environment, and new student recreation opportunities including an ice climbing wall, outdoor ice rink, and soon to be developed snowboarding area. The cost of the housing exceeds the revenue from student rent. To have the housing facilities adequate to attract Alaska high school graduates and to keep rents affordable the project requires a portion of state funding. It is important to keep in mind that the significant student environment changes noted above have been all accomplished by UAF without state support.

### **UAS Student Housing Phase II**

FY15-FY16 (GF: \$6,250.0, Total: \$6,250.0)

In UAS's Strategic and Assessment Plan, July 1, 2010 to June 30, 2017, the University's leadership identified the expansion of freshman student housing as an overarching strategy; an action that will move the institution toward its vision in light of the institution's mission, values, and core themes. This strategy will impact most the institution's ability to meet its metrics related to the core theme of student success. Student success requires an investment in academic support and student services that facilitate student access and completion of educational goals. Freshmen students in particular, as they make the transition from living at home to being in college are more likely to experience difficulties. They require additional support and a first-year experience that provides instruction, leadership opportunities, and social activities geared toward ensuring their success and retention.

The Juneau campus goal is to provide a residential opportunity for 50% of first-time freshman. This currently exceeds the capacity of Banfield Hall (84 beds) and together with our projections of near-term demand indicates the need for approximately 120 beds. UAS has doubled the number of first time freshman between 2007 and 2010 (223 from 104).

The lack of affordable and on-campus housing erects barriers to access for many rural Alaskans to higher education. During the 2010 Fall Semester, new freshman representing thirty-six Alaskan communities resided in Banfield Hall. Many of these students were from rural communities located in the Interior and Southeast Alaska. These students choose UAS because of its quality academic programs, size, and supportive atmosphere. Forcing first-

## FY14 Capital Budget Request Project Descriptions

### **Bethel Campus Bandwidth Upgrades**

FY15-FY16 (GF: \$5,000.0, Total: \$5,000.0)

As e-Learning and high definition videoconferencing increases, added bandwidth will facilitate increased e-Learning capacity by allowing for multiple videoconferences and two-way

<b>Project Name</b>	<b>DM</b>	<b>R&amp;R</b>	<b>Total</b>
<b>UAA Main Campus</b>			
Beatrice McDonald Building Renewal	3,531.9	3,531.9	7,063.7
Campus Building Envelope & Roof Replacement	1,000.0		1,000.0
Campus Mechanical/Electrical/HVAC Upgrades	500.0		500.0
Campus Roads, Curbs and Sidewalks	200.0		200.0
EM1 and EM2 Mechanical	1,345.0		1,345.0
MAC Housing Renewal	1,500.0	1,500.0	3,000.0
Classroom, Office & Lecture Hall Lighting Upgrades	100.0		100.0
Building Automation System Renewal	100.0		100.0
Campus Wayfinding		100.0	100.0
Emergency Generator Upgrades/Replacements	100.0		100.0
Fire Alarm Panel Upgrades	100.0		100.0

**University of Alaska**  
**FY14 Priority Deferred Maintenance (DM) and Renewal and Repurposing (R&R) Projects**  
**by MAU State Appropriations (in thousands of \$)**

<b>Project Name</b>	<b>DM</b>	<b>R&amp;R</b>	<b>Total</b>
<b>UAF Community Campus</b>			
Kuskokwim Campus Facility Critical Deferred and Voc-Tech Renewal -- Phase 2	900.0		900.0
<b>UAF Community Campus Total</b>	<b>900.0</b>		<b>900.0</b>
<b>UAF Deferred Maintenance and Renewal &amp; Repurposing Total</b>			
	<b>27,600.0</b>	<b>9,900.0</b>	<b>37,500.0</b>
<b>UAS Main Campus</b>			
Auke Lake Way Campus Entry Improvements & Road Realignment	144.5	755.5	900.0
Hendrickson Remodel and Renovation	2,020.5	1,579.5	3,600.0
Bill Ray Center Remodel	1,750.0	1,750.0	3,500.0
<b>UAS Deferred Maintenance and Renewal &amp; Repurposing Total</b>	<b>3,915.0</b>	<b>4,085.0</b>	<b>8,000.0</b>
<b>Statewide</b>			
Butrovich Building Repairs (\$1.2M in University Receipts)	1,800.0		1,800.0
<b>Statewide Deferred Maintenance and Renewal &amp; Repurposing Total</b>	<b>1,800.0</b>		<b>1,800.0</b>
<b>UA Priority DM and R&amp;R Total</b>			
	<b>46,608.2</b>	<b>23,962.4</b>	<b>70,570.6</b>
<b>Additional DM and R&amp;R</b>			
UAA Main Campus	170,574.4	129,032.6	299,607.1
UAA Community Campus	19,150.0	10,923.7	30,073.7
UAF Main Campus	485,439.1	259,247.9	744,687.0
UAF Community Campus	18,479.0	15,913.8	34,392.8
UAS Main Campus	5,624.9	217.7	5,842.6
Statewide	15,571.0		15,571.0
<b>UA System Additional DM and R&amp;R Total</b>	<b>714,838.5</b>	<b>415,335.7</b>	<b>1,130,174.1</b>
<b>UA DM and R&amp;R Grand Total</b>			
	<b>761,446.7</b>	<b>439,298.1</b>	<b>1,200,744.8</b>



## **UAA Main Campus Deferred Maintenance and Renewal & Repurposing**

### **Beatrice McDonald Building Renewal**

FY14 (GF: \$7,063.7, Total: \$7,063.7)

Beatrice McDonald Hall (BMH) was built in 1970. The building is currently in significant need of mechanical, electrical and architectural improvements and replacements. Most of the building technologies constructed in the building are over forty years old and are at the end of their useful lifespan. Current laboratory furniture and fixtures are in disrepair and not up to date with educational standards.

When the Integrated Science Building (ISB) opened in 2009, many of the functions housed in the Science Building moved to ISB. Upon these vacancies, the Science Building began a 3 year renovation plan spanning from May 2010—April 2013. This in turn has opened up space for functions currently in BMH to move into the Science Building. New tenants recently moving to BMH as a result of departments moving to the Science Building are Environment & Natural Resources Institute (ENRI) and Alaska Natural Heritage Program (ANHP). At this time it is difficult for these departments to comfortably integrate into the building because of space constraints.

### **Campus Building Envelope & Roof Replacement**

FY14 (GF: \$1,000.0, Total: \$1,000.0)

FY15-FY19 (GF: \$5,000.0, Total: \$5,000.0)

New roof systems improve building efficiencies and protect the building. The Anchorage campus currently has approximately 1,000,000 gsf of roofing that requires replacement on a 20-year cycle. The requested funds will address the most severe roofing needs as outlined in a Roofing Replacement Study that was done in the summer of 2007. The project will also address other building envelope issues.

### **Campus Mechanical/Electrical/HVAC Upgrades**

FY14 (GF: \$500.0, Total: \$500.0)

FY15-FY19 (GF: \$2,500.0, Total: \$2,500.0)

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

### **Campus Roads, Curbs and Sidewalks**

FY14 (GF: \$200.0, Total: \$200.0)

FY15-FY19 (GF: \$1,000.0, Total: \$1,000.0)

The UAA campus is over 30 years old and many of the roads, trails, sidewalks, parking areas, curbs and gutters are part of the original construction or have been impacted by construction,

## FY14 Priority Deferred Maintenance (DM) and Renewal & Repurposing (R&R) Project Descriptions

repair and renovation projects over the years. This results in uneven surfaces, lack of adequate sidewalks and other deficiencies that pose a safety hazard or are increasingly susceptible to additional damage. The aviation technology parking lot is dirt and needs to be replaced with asphalt. Increased enrollment and subsequent staffing increases dictate a need to upgrade and repair these surfaces in order to maintain a safe and effective environment for students, staff and the public.

### **EM1 and EM2 Mechanical**

FY14 (GF: \$1,345.0, Total: \$1,345.0)

FY15-FY19 (GF: \$1,345.0, Total: \$1,345.0)

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FY14 Priority Deferred Maintenance (DM) and Renewal &



FY14 Priority Deferred Maintenance (DM) and Renewal & Repurposing (R&R) Project Descriptions

**PWSCC Campus Renewal**

FY14 (GF: \$4,036.0, Total: \$4,036.0)

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

**Mat-Su Renovation of Machetanz Hall & Snodgrass Hall**

FY14 (GF: \$250.0, Total: \$250.0)

With the construction in FY13 of the new paramedic and nursing facility as part of the GO bond initiative, the prior space these programs occupied will need to be renovated to their new usage for the College's needs. The former nursing area will be renovation into a general purpose

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their useable life and are failing. Campus growth and an ever-changing regulatory environment require the modification and upgrade of the waste water handling infrastructure. The project will replace several thousand feet of waste line main piping with new modern materials with a life that exceeds 60 years.

**Fairbanks Main Campus Wide Roof Replacement**

FY14 (GF: \$1,000.0, Total: \$1,000.0)

FY15-FY19 (GF: \$5,000.0, Total: \$5,000.0)

UAF has many large campus structures that still have original roof systems. As buildings on campus age and do not receive adequate R&R funding, roofing system repairs only offer a band-aid solution to a long-term problem. Funding is required for a multi-year project to replace roofs that have surpassed their useable life and are at risk of complete failure.

**West Ridge Facilities Deferred Maintenance and Revitalization**

FY14 (GF: \$4,000.0, Total: \$4,000.0)

FY15-FY19 (GF: \$40,350.0, Total: \$40,350.0)

The majority of the facilities located on UAF's West Ridge were built in the late 1960s and early 1970s. Irving 1/2, Elvey, O'Neill, and Arctic Health building serve multiple research and academic units on the Fairbanks Campus. The facilities house major academic programs for fisheries, biology, wildlife, physics, chemistry, agriculture and natural resource management. Elvey, home to the UAF Geophysical Institute, is a major center for many state emergency preparedness programs including the Alaska Earthquake information Center and the Alaska Volcano Observatory. The Arctic Health Building is home to several research programs that directly affect the health and welfare of thousands of Alaskans including the Center for Alaska Native Health Research and the School of Natural Resources and Agricultural Sciences. The Irving 1 facility is the home of the Institute of Arctic Biology and the Department of Biology and Wildlife. Hundreds of undergraduate, graduate, and master degree students learn, research, and teach in the building every day the research intensive Irving 2 facility serves the Institute of Marine Sciences and School of Fisheries.

These facilities, which represent nearly 500,000 gross square feet of space, are the key component to UAF's competitive edge in research relating to the people and places of the Arctic regions. Research performed in the building represents over 50% of the total research revenue for the campus. Academic programs represented on West Ridge also affect over 1500 undergraduates and graduates seeking a degree in a program offered on West Ridge.

The first phase of the project will provide a road map on how to effectively and efficiently address deferred maintenance and functional obsolescence in these facilities. A program of renovations will be developed to ensure the University is addressing the needs of the buildings in a timely manner and in such a way as to enhance the space for the existing programs on West Ridge.

**West Ridge Storage (Museum)**

FY14 (GF: \$5,000.0, Total: \$5,000.0)

This project will provide archival storage to support the University of Alaska Museum of North and West Ridge research.



FY14 Priority Deferred Maintenance (DM) and Renewal & Repurposing (R&R) Project Descriptions

**Campus Infrastructure: Roads, Sidewalks, Curbs, Gutters, and Ramps**

FY14 (GF: \$750.0, Total: \$750.0)

FY15-FY19 (GF: \$3,750.0, Total: \$3,750.0)



## FY14 Priority Deferred Maintenance (DM) and Renewal & Repurposing (R&R) Project Descriptions

When it was originally constructed, the theater had a state-of-the-art sound system, computerized lighting, and was hailed as the best equipped collegiate theater on the West Coast.

Regardless of post construction improvements, the theater wing is relatively antiquated and is in disrepair. In essence, little has been done since it was originally constructed in the late 1960's.

## **UAS Main Campus Deferred Maintenance and Renewal & Repurposing**

### **Auke Lake Way Campus Entry Improvements & Road Realignment**

FY14 (GF: \$900.0, Total: \$900.0)

FY15-FY19 (GF: \$750.0, Total: \$750.0)

The 2003 UAS Campus Masterplan recommends 1) the elimination of through vehicular traffic along Auke Lake Way as it passes along the five original campus buildings and 2) the improvement of the Mendenhall Loop Road campus entrance to make it the primary entrance. The entrance from Glacier Highway cannot be improved. The road is a state right-of-way, across Federal land, with significant environmental constraints due to the Auke Lake drainage being directly adjacent. The existing roadway is too narrow to add even a sidewalk to the two existing narrow driving lanes.

### **Hendrickson Remodel and Renovation**

FY14 (GF: \$3,600.0, Total: \$3,600.0)

The first floor of the Hendrickson Building was built in 1978 and the second floor added in 1982. The use of both floors has changed over the years from the original vocational programs to a combination of general purpose classrooms, offices and Environmental Science labs. This project will renew and remodel the Hendrickson Building to provide more effective use of the space, replace building heating and ventilation systems, and interior finishes. The lower floor is dedicated to their Environmental Science programs including geology and GIS classrooms. The lower floor also contains a large general purpose classroom and performance stage for theater and storage for the art department. Some department staff and faculty occupy former storage rooms, depleting needed storage areas and putting employees in inadequate and under-ventilated space. On the upper floor underutilized classrooms are being used as makeshift office space due to a lack of office space on campus.

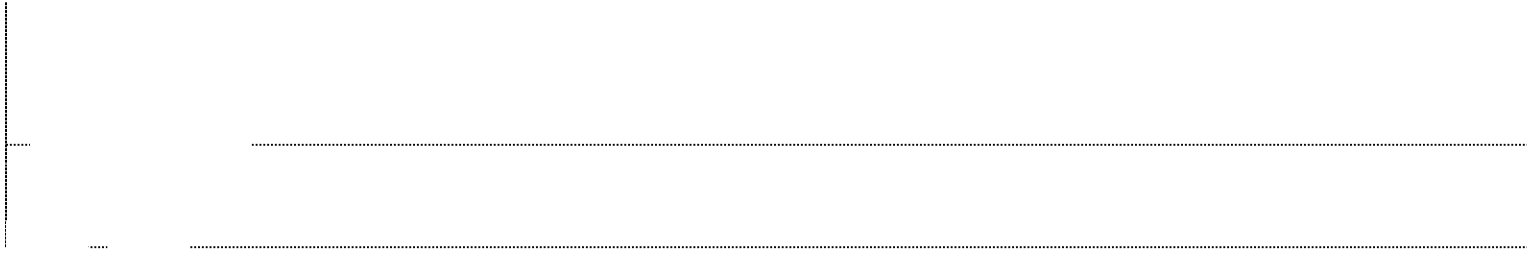
### **Bill Ray Center Remodel**

FY14 (GF: \$3,500.0, Total: \$3,500.0)

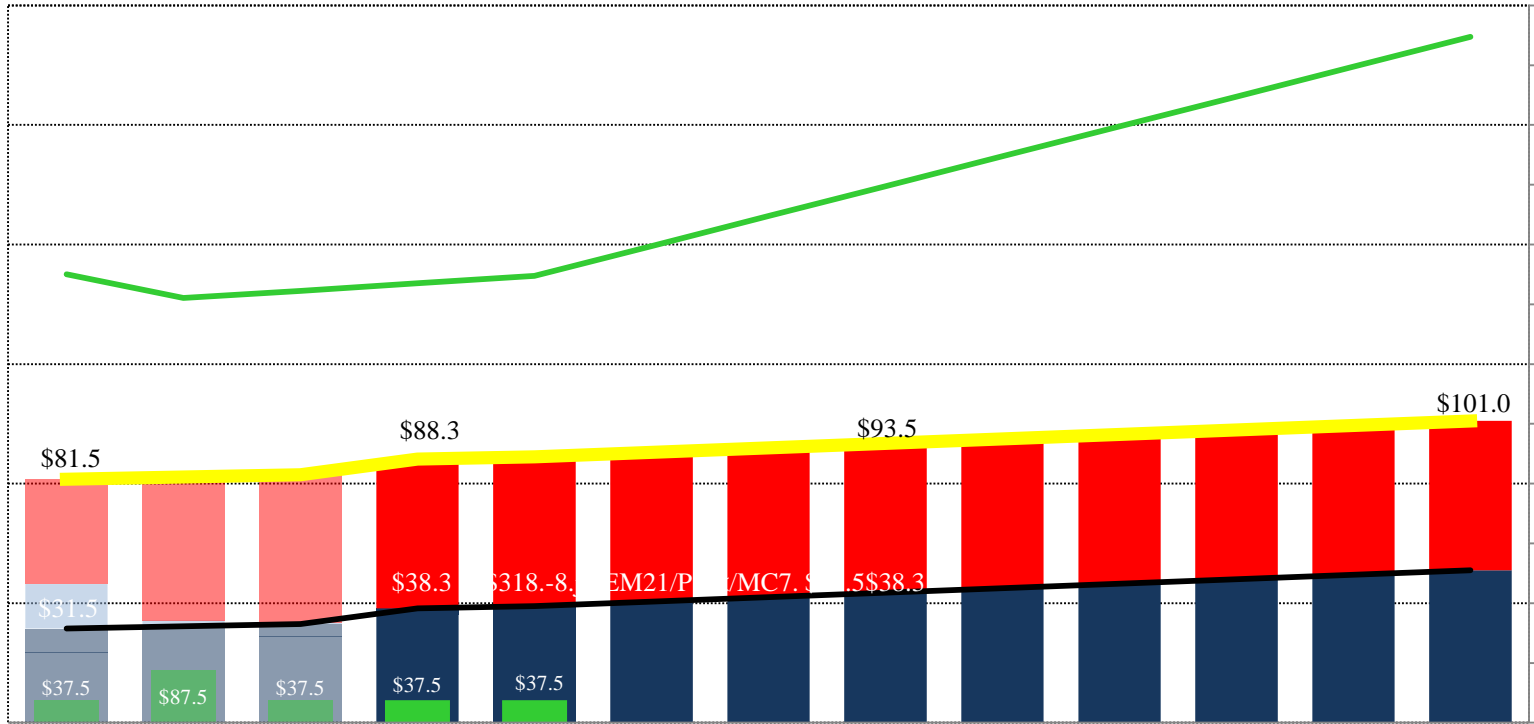
The Bill Ray Center was constructed in 1972 as a classroom building to serve primarily continuing education courses. In 1995 approximately half of the building was converted to administrative office space to free up space on campus for a larger cafeteria and expanded bookstore. Then in 2007 the administrative offices were moved back to the Auke Lake campus through the acquisition and remodeling of nearby retail space. Since that time the Bill Ray

	Location	#of Bldgs	Average Age (years)	Weighted Avg. Age (years)	Gross Area (sq. feet)	Adjusted Value (thousands)	Dist. % *	DM Model of \$37.5M
<b>Anchorage Campus</b>	<i>Anc.</i>	62	25.7	24.9	2,325,179	821,494.7	24.3%	<b>9,105.0</b>
		25	24.7	31.2	326,505	136,726.4	5.0%	<b>1,879.0</b>
<i>Kenai Peninsula College</i>	<i>Soldotna</i>	6	37.0	35.1	89,432	35,043.8	1.5%	
	<i>Kachemak Bay</i>	2	19.0	26.3	25,067	10,739.5	0.3%	
<i>Kodiak College</i>	<i>Kodiak</i>	5	35.8	36.5	44,981	19,238.8	0.8%	
<i>Matanuska-Susitna College</i>	<i>Palmer</i>	6	27.3	28.3	105,316	47,420.5	1.6%	
<i>Prince Wm. Sound CC</i>	<i>Valdez</i>	6	16.5	28.7	61,709	24,283.8	0.8%	
		87	25.5	25.7	2,651,684	958,221.1	29.3%	<b>10,984.0</b>
<b>Fairbanks &amp; CTC</b>	<i>Fbks.</i>	238	36.7	39.7	3,216,476	1,311,049.4	59.1%	<b>22,161.0</b>
		29	29.2	29.6	128,614	73,399.5	2.6%	<b>970.0</b>
<i>Bristol Bay Campus</i>	<i>Dillingham</i>	2	25.5	26.4	18,023	8,434.6	0.3%	
<i>Chukchi Campus</i>	<i>Kotzebue</i>	1	36.0	36.0	8,948	6,850.4	0.3%	
<i>Interior-Aleutians Campus</i>	<i>Multiple</i>	5	24.2	31.2	29,111	14,840.9	0.5%	
<i>Kuskokwim Campus</i>	<i>Bethel</i>	7	28.3	27.0	51,774	33,089.4	1.1%	
<i>Northwest Campus</i>	<i>Nome</i>	14	31.9	33.8	20,758	10,184.2	0.4%	
	UAF Total	267	34.3	39.3	3,345,090	1,384,448.9	61.7%	<b>23,131.0</b>
<b>Southeast Campus</b>	<i>Juneau</i>	34	32.2	25.3	441,648	151,112.0	4.8%	
		5	53.1	56.5	115,908	42,045.0	2.6%	
<i>Ketchikan Campus</i>	<i>Ketchikan</i>	4	36.3	37.3	47,850	23,563.0	1.0%	
<i>Sitka Campus</i>	<i>Sitka</i>	1	70.0	70.0	68,058	18,482.0	1.5%	
	UAS Total	39	28.8	31.8	557,556	193,157.0	7.4%	<b>2,771.0</b>
<b>Statewide</b>	<i>Various</i>	8	40.6	25.5	112,461	57,831.3	1.6%	<b>614.0</b>
		8	40.6	25.5	112,461	57,831.3	1.6%	<b>614.0</b>
	UA Total	401	32.1	33.0	6,666,791	2,593,658.4	100.0%	<b>37,500.0</b>

Facility data from 2011 Facilities Inventory



**FY14 Sustainment Funding Plan for the U**





<b>Request</b>	<b>Renewal and Renovation</b>	<b>Add/Expand</b>	<b>New Facilities</b>	<b>Equipment</b>	<b>Other<sup>1</sup></b>	<b>Total</b>
FY04	14,007.0	3,400.0	19,515.5	4,141.5	1,405.0	42,469.0
FY05	10,055.0		26,550.0	3,111.3	550.0	40,266.3
FY06	40,753.5	2,600.0	70,536.0	4,403.4	550.0	118,842.9
FY07	87,520.0	9,650.0	135,983.0	16,721.9	550.0	250,424.9
FY08	131,016.0	6,395.0	186,500.0	7,874.7	550.0	332,335.7
FY09	114,000.0	2,000.0	163,870.0	26,000.0	550.0	306,420.0
FY10FY05						



**University of Alaska  
Capital Request and Appropriation Summary  
FY04-FY13**

