# UA Facilities Maintenance & Capital DM/R&R Calculations (July 2022)

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# Board of Regents Policy

#### P05.12.080 Operations and Maintenance

- A. "The annual need for maintenance and repair shall be fully funded in the annual operating budget of the university unless otherwise directed or approved by the board. In addition, the funding for facility renewal and replacement as well as elimination of accumulated deferred renewal will be included in the capital budget request and long range capital plan. At a minimum, an amount equal to the annual M&R need shall be expended on routine maintenance and repair, major repairs, whether current or deferred, and mandated improvements. Unless the scope of remodeling to accommodate tenant occupancy is minor, it may not be included when reporting on M&R annual stewardship expenditures and should be reported as expenses for alterations or capital improvements for asset reinvestment."
- B. "An annual maintenance plan shall be developed by the chief facilities administrators of the respective universities and provided to the system office chief facilities officer."
- C. "On an annual basis, the system office chief finance officer will cause to be compiled a report identifying for each university and the system office the:
  - 1. prior fiscal year actual operating and capital expenditures for M&R and R&R support;
  - 2. current fiscal year's budgeted operating and capital commitment for M&R and R&R;
  - 3. current annual calculated need for M&R and R&R;
  - 4. current estimate of accumulated deferred renewal; and
  - 5. the status of ongoing deferred renewal projects."

## Timeline

Facilities Inventory (Update, Compile, Publish) Calculate FY24 Facilities
Maintenance &
Capital DM/R&R Requests

(ex. FY24 Requests, use Fall 2021 Facilities Inventory)

Sept-Nov 2021 Jan-Mar 2022 April 2022 May-June 2022

Compile & Submit Facilities Data & Insurance Attributes to Risk Services FY23 Facilities
Maintenance Targets
& Capital DM/R&R
Distribution

(Based on April 2021 Requests)

## Inputs

University of Alaska FY24 Budget Distribution												
				Invento		Calcu	Calculated Index <sup>(2)</sup>					
		(	Gordian	Replace	ment Va	alues	-	Carculated Hidex				
			Avg.	Gross	(2) Headct.	Replace't	2022 DM/R&R	Wt Age-	5	6		
	Location	# of Bldgs	Age (vears)	Area (sq. feet)	<b>Emp.</b> +	Value (RV) (\$1,000)	Backlog (\$1,000)	Value	Density Index	Dist. %		
Anchorage Campus	Anc.	65	29.5	2,835,048	11,655	1,662,549.7	587,002.7	39.1	0.11	23.6%		
UAA Community Campus es		32	28.4	454,939	4,282	297,889.8	37,251.6	8.2	0.24	7.2%		
Kenai Peninsula College	Sold. & Hom.	12	28.4	186,146	1,740	125,033.8	10,789.9	0.1	V.= .	,,_,		
Kodiak College	Kodiak	5	44.8	44,876	541	28,719.6	4,780.7					
Matanuska-Susitna College	Palmer	9	29.8	155,878	1,349	98,448.3	9,580.0					
Prince Wm. Sound College	Valdez	6	12.5	68,039	652	45,688.2	12,101.0					
	UAA Total	97	29.1	3,289,987	15,937	1,960,439.6	624,254.4	47.4	0.35	30.8%		
Fairbanks Campus/CTC	Fbks.	229	39.2	3,761,470	9,619	3,098,705.1	816,902.2	96.6	0.18	56.8%		
UAF Community Campuses	(CRCD)	27	31.6	155,942	2,030	147,522.0	31,108.5	5.1	0.11	4.0%		
Bristol Bay Campus	Dillingham	3	20.0	20,217	304	13,767.0	907.2					
Chukchi Campus	Kotzebue	1	45.0	10,362	186	15,679.7	6,755.6					
Interior Alaska Campus	Various	5	33.2	29,111	277	25,833.0	1,723.1					
Kuskokwim Campus	Bethel	7	37.3	51,774	442	51,048.6	19,539.9					
Northwest Campus	Nome	10	30.3	21,570	246	22,949.4	1,531.8					
Col. of Rural & Comm. Dev.	Fbks.	1	18.0	22,908	575	18,244.3	651.0					
	UAF Total	256	38.4	3,917,412	11,649	3,246,227.1	848,010.7	101.7	0.21	60.8%		
Southeast Campus	Juneau	28	28.7	379,653	1,643	226,309.9	20,658.3					
UAS Community Campuses		4	9.8	117,546	1,363	60,641.4	5,572.5					
Ketchikan Campus	Ketchikan	3	10.0	49,488	684	33,178.8	3,437.0					
Sitka Campus	Sitka	1	9.0	68,058	679	27,462.6	2,135.5					
	UAS Total	32	26.3	497,199	3,006	286,951.3	26,230.8	6.4	0.43	8.0%		
UA System Office (1)	Various	9	41.7	241,973.0	213.0	169,222.6	15,042.4	0.7	0.01	0.4%		
	UASO Total	9	41.7	241,973	213	169,222.6	15,042.4	0.7	0.01	0.4%		
	UA Total	394	35.2	7,946,571	30,805	5,662,840.6	1,513,538.3	156.1	1.00	100.0%		

- The MAUs review and update the information in the <u>Facilities</u>
   <u>Inventory</u> every fall including Age and Gross Area.
- 2. <u>Headcount and Student</u>
  <u>enrollment</u> for the same year as
  the inventory is provided by UA
  Institutional Research.
- 3. Gordian provides the Replacement

  Value (RV) based on various

  parameters in coordination with

  the MAUs and the change in

  RSMeans Construction Index.

## **Calculations**

University of Alaska FY24 Budget Distribution												
				Invento	•		Calculated Index <sup>(2)</sup>					
			Gordian	Replace	ment Va							
			(1) (2) (3				2022	Wt	(5)	9		
			Avg.	Gross	Headct.	Replace't	DM/R&R	Age-	9	<b>O</b>		
		# of	Age	Area	Emp. +	Value (RV)	Backlog	Value	Density	Dist.		
	Location	Bldgs	(years)	(sq. feet)	Student	(\$1,000)	(\$1,000)	Index	Index	%		
Anchorage Campus	Anc.	65	29.5	2,835,048	11,655	1,662,549.7	587,002.7	39.1	0.11	23.6%		
UAA Community Campuses	5	32	28.4	454,939	4,282	297,889.8	37,251.6	8.2	0.24	7.2%		
Kenai Peninsula College	Sold. & Hom.	12	28.4	186,146	1,740	125,033.8	10,789.9					
Kodiak College	Kodiak	5	44.8	44,876	541	28,719.6	4,780.7					
Matanuska-Susitna College	Palmer	9	29.8	155,878	1,349	98,448.3	9,580.0					
Prince Wm. Sound College	Valdez	6	12.5	68,039	652	45,688.2	12,101.0					
	UAA Total	97	29.1	3,289,987	15,937	1,960,439.6	624,254.4	47.4	0.35	30.8%		
Fairbanks Campus/CTC	Fbks.	229	39.2	3,761,470	9,619	3,098,705.1	816,902.2	96.6	0.18	56.8%		
UAF Community Campus es	(CRCD)	27	31.6	155,942	2,030	147,522.0	31,108.5	5.1	0.11	4.0%		
Bristol Bay Campus	Dillingham	3	20.0	20,217	304	13,767.0	907.2	0.11	0.11			
Chukchi Campus	Kotzebue	1	45.0	10,362	186	15,679.7	6,755.6					
Interior Alaska Campus	Various	5	33.2	29,111	277	25,833.0	1,723.1					
Kuskokwim Campus	Bethel	7	37.3	51,774	442	51,048.6	19,539.9					
Northwest Campus	Nome	10	30.3	21,570	246	22,949.4	1,531.8					
Col. of Rural & Comm. Dev.	Fbks.	1	18.0	22,908	575	18,244.3	651.0					
	UAF Total	256	38.4	3,917,412	11,649	3,246,227.1	848,010.7	101.7	0.21	60.8%		
Southeast Campus	Juneau	28	28.7	379,653	1,643	226,309.9	20,658.3					
UAS Community Campuses		4	9.8	117,546	1,363	60,641.4	5,572.5					
Ketchikan Campus	Ketchikan	3	10.0	49,488	684	33,178.8	3,437.0					
Sitka Campus	Sitka	1	9.0	68,058	679	27,462.6	2,135.5					
	UAS Total	32	26.3	497,199	3,006	286,951.3	26,230.8	6.4	0.43	8.0%		
UA System Office (1)	Various	9	41.7	241,973.0	213.0	169,222.6	15,042.4	0.7	0.01	0.4%		
	UASO Total	9	41.7	241,973	213	169,222.6	15,042.4	0.7	0.01	0.4%		
	UA Total	394	35.2	7,946,571	30,805	5,662,840.6	1,513,538.3	156.1	1.00	100.0%		

- 4. The building age and the RV are multiplied at the building level then summed and divided by 1M to calculate the Weighted Age-Replacement Value Index.
- 5. <u>Density Index</u> headcount is divided by GSF/100K at the campus level then allocated to the Main/Community campus sub-categories.
- 6. The Indexes are weighted to calculate the **Distribution Percent**.

#### Formula:

90% (Age-Value Index / Total Index) + 10% (Density Index) = Dist.%

Ex. UAA Main Campus Index = 90%\*(39.1/156.1)\*10%(0.11) = 5

# Facilities Maintenance: Budget Goal

University of Alaska FY24 Budget Distribution									
		Calcu	Facilities Maintenanc						
		Wt Age-			1	2			
	Location	Value Index	Density Index	Dist. %	Budget Goal	% of AV			
Anchorage Campus	Anc.	39.1	0.11	23.6%	14,160.0	0.9%			
UAA Community Campuses		8.2	0.24	7.2%	4,320.0	1.5%			
Kenai Peninsula College	Sold. & Hom.								
Kodiak College	Kodiak								
Matanuska-Susitna College	Palmer								
Prince Wm. Sound College	Valdez								
	UAA Total	47.4	0.35	30.8%	18,480.0	0.9%			
Fairbanks Campus/CTC	Fbks.	96.6	0.18	56.8%	34,060.0	1.1%			
UAF Community Campuses	(CRCD)	5.1	0.11	4.0%	2,400.0	1.6%			
Bristol Bay Campus	Dillingham		-		,	-			
Chukchi Campus	Kotzebue								
Interior Alaska Campus	Various								
Kuskokwim Campus	Bethel								
Northwest Campus	Nome								
Col. of Rural & Comm. Dev.	Fbks.								
	UAF Total	101.7	0.21	60.8%	36,460.0	1.1%			
Southeast Campus	Juneau								
UAS Community Campuses									
Ketchikan Campus	Ketchikan								
Sitka Campus	Sitka								
	UAS Total	6.4	0.43	8.0%	4,800.0	1.7%			
UA System Office (1)	Various	0.7	0.01	0.4%	260.0	0.2%			
	UASO Total	0.7	0.01	0.4%		0.2%			
	TILL TO 1. 1	1561	1.00	100.007	60,000.0	1.10/			
	UA Total	156.1	1.00	100.0%	60,000.0	1.1%			

1. The Facilities Maintenance (FM) <u>Budget Goal</u> is the BOR target (currently \$60M) times the Dist.%.

Ex. UAA's Main Campus Budget Goal = \$60M x 23.6% = \$14,160M

2. Prior to the BOR setting a Budget Goal for Facilities
Maintenance, maintenance targets were set as a percent of
the adjusted value. This information is still tracked on the
worksheet, but is not currently used in any calculations.

Ex. UAA's Main Campus Budget Goal as a % of Adjusted Value = \$14,160.0M / \$1,662.5M = 0.9%

## Facilities Maintenance: Budget Requests

University of	Alaska FY	24 Bud	lget Dis	tributio	n
		Calcu	ılated Ir	Request	
		Wt Age-			1
	Location	Value Index	Density Index	Dist. %	FY24 Operat'g
Anchorage Campus	Anc.	39.1	0.11	23.6%	354.0
UAA Community Campuses	3	8.2	0.24	7.2%	108.0
Kenai Peninsula College	Sold. & Hom				
Kodiak College	Kodiak				
Matanuska-Susitna College	Palmer				
Prince Wm. Sound College	Valdez				
	UAA Total	47.4	0.35	30.8%	462.0
Fairbanks Campus/CTC	Fbks.	96.6	0.18	56.8%	852.0
UAF Community Campuses	(CRCD)	5.1	0.11	4.0%	60.0
Bristol Bay Campus	Dillingham				
Chukchi Campus	Kotzebue				
Interior Alaska Campus	Various				
Kuskokwim Campus	Bethel				
Northwest Campus	Nome				
Col. of Rural & Comm. Dev.	Fbks.				
	UAF Total	101.7	0.21	60.8%	912.0
Southeast Campus	Juneau				
UAS Community Campuses					
Ketchikan Campus	Ketchikan				
Sitka Campus	Sitka				
	UAS Total	6.4	0.43	8.0%	120.0
UA System Office (1)	Various	0.7	0.01	0.4%	6.0
-	UASO Total	0.7	0.01	0.4%	6.0
	UA Total	156.1	1.00	100.0%	1,500.0

**1.** <u>Budget Requests</u> are operating budget increments requested to close the gap between the base budget and the budget goal.

Requests are the distribution percent of the requested increase.

Formula: **Budget Request** = Rounded to Hundreds (Distribution %) \*(Current year request)

Ex. UAA's Main Campus FY24 Facilities Maintenance Operating Request = 23.6% \* \$1,500.0 = 354.0

Note: If the Base Budget exceeds the Budget Goal, the Budget Request will be zero, not negative.

# Facilities Maintenance: Base Funding Adjustments

- <u>Base Funding Adjustments</u> are distributions of operating budget increments or decrements made to the facilities maintenance budget minimum.
  - **Increments** are appropriations which increase the facilities maintenance base budget. These appropriations may be related to the current year's situation, calculated budget request, or a new facility.
  - Decrements are reductions to the facilities maintenance base budget. These reductions may be necessary to fund other university priorities, due to state funding reductions.

# Facilities Maintenance Base Budget & Budget Min.

	Univers	ity of Al	aska l	FY24 Bı	ıdget Dis	tributior	1		
		Facilities Maintenance Budget							
	Location	Budget Goal	% of AV	FY23 Base Budget	Budget Shortfall (Base- Goal)	Base Fund'g Adjust	One- Time Funding	FY24 Budget Min	Budget Shortfall (Min- Goal)
Anchorage Campus	Anc.	14,160.0	0.9%	8,338.0	-5,822.0	354.0		8,692.0	-5,468.0
UAA Community Campuses	i	4,320.0	1.5%	1,762.0	-2,558.0	108.0		1,870.0	-2,450.0
Kenai Peninsula College	Sold. & Hom.				- ´	39.0		688.2	-871.8
Kodiak College	Kodiak					22.5		236.7	-663.3
Matanuska-Susitna College	Palmer					31.5		737.7	-522.3
Prince Wm. Sound College	Valdez					15.0		207.5	-392.5
	UAA Total	18,480.0	0.9%	10,100.0	-8,380.0	462.0	0.0	10,562.0	-7,918.0
Fairbanks Campus/CTC	Fbks.	34,060.0	1.1%	13,877.0	-20,183.0	852.0		14,729.0	-19,331.0
<b>UAF Community Campuses</b>	(CRCD)	2,400.0	1.6%	538.0	-1,862.0	60.0		598.0	-1,802.0
Bristol Bay Campus	Dillingham					6.0		49.9	-190.1
Chukchi Campus	Kotzebue					7.5		45.9	-254.1
Interior Alaska Campus	Various					10.5		98.4	-321.6
Kuskokwim Campus	Bethel					21.0		185.7	-654.3
Northwest Campus	Nome					7.5		52.5	-247.5
Col. of Rural & Comm. Dev.	Fbks.					7.5		165.5	-134.5
	UAF Total	36,460.0	1.1%	14,415.0	-22,045.0	912.0	0.0	15,327.0	-21,133.0
Southeast Campus	Juneau					67.5		1,502.5	-1,197.5
UAS Community Campuses	,					52.5		398.5	-1,701.5
Ketchikan Campus	Ketchikan					30.0		249.5	-950.5
Sitka Campus	Sitka					22.5		149.0	-751.0
	UAS Total	4,800.0	1.7%	1,781.0	-3,019.0	120.0		1,901.0	-2,899.0
UA System Office (1)	Various	260.0	0.2%	304.0	44.0	6.0		260.0	0.0
	UASO Total	260.0	0.2%	304.0	44.0	6.0	0.0	260.0	0.0
	UA Total	60,000.0	1.1%	26,600.0	-33,400.0	1,500.0	0.0	28,050.0	-31,950.0

1. The <u>Base Budget</u> is the sum of the FY10 base budget and each year's base funding adjustments since FY10.

Formula: Current Year's Base Budget =
Prior Year's Base Budget
+ Current Year's Base Funding Adjustments

Ex. UAA Main Campus FY24 Base Budget = \$8.338M + \$.354M = \$8.692M

2. The <u>Budget Minimum</u> is the minimum amount that each campus is expected to spend on facilities maintenance in a given fiscal year.

Formula: **Budget Minimum** = lesser (Budget Goal or (Current Year's Base Budget + Current Year's One-Time Funds))

Ex. UAA Main Campus FY21 Budget Minimum = Min(\$16.0M,(\$8.1M + \$0)) = \$8.1M

## Capital Budget Requests & Distribution

University of Alasl	ka FY24 Bu	dget E	Deferred Maintenance (DM)				
		Calcu	ılated Ir	ndex <sup>(2)</sup>	and Renewal & Repurposing (R&R)		
	Location	Wt Age- Value Index	Density Index	Dist. %	Capita 1 Request	al Budget  2  Distrib	
Anchorage Campus	Anc.	39.1	0.11	23.6%	11,800.0	1,200.0	
UAA Community Campuses		8.2	0.24	7.2%	3,600.0	400.0	
Kenai Peninsula College	Sold. & Hom.				0.0		
Kodiak College	Kodiak				0.0		
Matanuska-Susitna College	Palmer				0.0		
Prince Wm. Sound College	Valdez				0.0		
	UAA Total	47.4	0.35	30.8%	15,400.0	1,600.	
Fairbanks Campus/CTC	Fbks.	96.6	0.18	56.8%	28,400.0	2,800.	
UAF Community Campuses (CRCD)		5.1	0.11	4.0%	2,000.0	200.	
Bristol Bay Campus	Dillingham		-		0.0		
Chukchi Campus	Kotzebue				0.0		
Interior Alaska Campus	Various				0.0		
Kuskokwim Campus	Bethel				0.0		
Northwest Campus	Nome				0.0		
Col. of Rural & Comm. Dev.	Fbks.				0.0		
	UAF Total	101.7	0.21	60.8%	30,400.0	3,000.	
Southeast Campus	Juneau				0.0		
UAS Community Campuses	3				0.0		
Ketchikan Campus	Ketchikan				0.0		
Sitka Campus	Sitka				0.0		
	UAS Total	6.4	0.43	8.0%	4,000.0	400.	
UA System Office (1)	Various	0.7	0.01	0.4%	200.0	0.	
	UASO Total	0.7	0.01	0.4%	200.0	0.	
	UA Total	156.1	1.00	100.0%	50,000.0	5,000.	

1. The <u>Total Capital Request</u> is the amount requested for DM/R&R through the capital budget.

Formula: Capital Request by MAU = Total Capital Request x Dist.%

Ex. UAA Main Campus FY24 Capital Budget Request = \$50M x 23.6% = \$11.8M<sup>(1)</sup>

2. The <u>Total Capital Budget Distribution</u> is the appropriated capital budget directly related to DM/R&R. Rounded to the nearest hundred thousand.

Formula: **Capital Budget Distribution by MAU** = Total Capital Distribution x Dist.%

Ex. UAA Main Campus FY24 Capital Budget Distribution =  $$5.0M \times 23.6\% = $1.2M^{(2)}$ 

- (1) Sample calculation only. BOR FY24 request included additional adjustments for prior year unfunded requests.
- (2) Sample calculation if UA received \$5M in general DM/R&R funding for internal allocation.