

FY23 Facilities Benchmarking & Analysis

University of Alaska Southeast

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Comprehensive Facilities Intelligence Solutions





FACILITIES BENCHMARKING & ANALYSIS

Take control of your facilities and make the case for change without the guesswork



FACILITIES ASSESSMENT & PLANNING

Plan and execute capital investment plans that are inclusive, credible, flexible, affordable and sustainable



SPACE UTILIZATION

Ensure your space is working up to its full potential



SUSTAINABILITY SOLUTIONS

Measure and improve environmental stewardship



Vocabulary for Facilities Benchmarking & Analysis



Annual Stewardship

The annual investment needed to ensure buildings will properly perform and reach their useful life "Keep-Up Costs".

Asset Reinvestment

The accumulation of repair and modernization needs and the definition of resource capacity to correct them "Catch-Up Costs"

Operational Effectiveness

The effectiveness of the facilities operating budget, staffing, supervision, and energy management.

Service

The measure of service process, the maintenance quality of space and systems, and the customers opinion of service delivery.

Asset Value Change

Operations Success

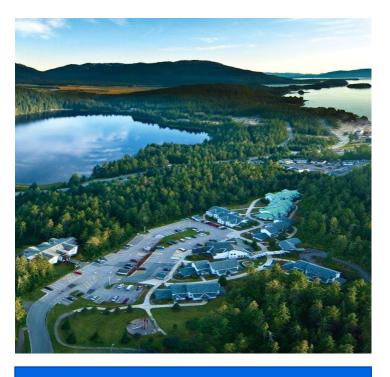


University of Alaska – Southeast Peer Institutions



Return on Physical Assets (ROPA+) includes all space at UAS totaling 556,487 GSF

Facilities Peer Institutions	Location
University of Maine at Fort Kent	Fort Kent, ME
University of Maine at Farmington	Farmington, ME
University of Maine at Machias	Machias, ME
University of Maine at Presque Isle	Presque Isle, ME
Slippery Rock University of PA	Slippery Rock, PA
Mansfield University of PA	Mansfield, PA
Lockhaven University of PA	Lock Haven, PA
University of Maine at Augusta	Augusta, ME



Comparative Considerations

Size, technical complexity, region, geographic location, and setting are all factors included in the selection of peer institutions

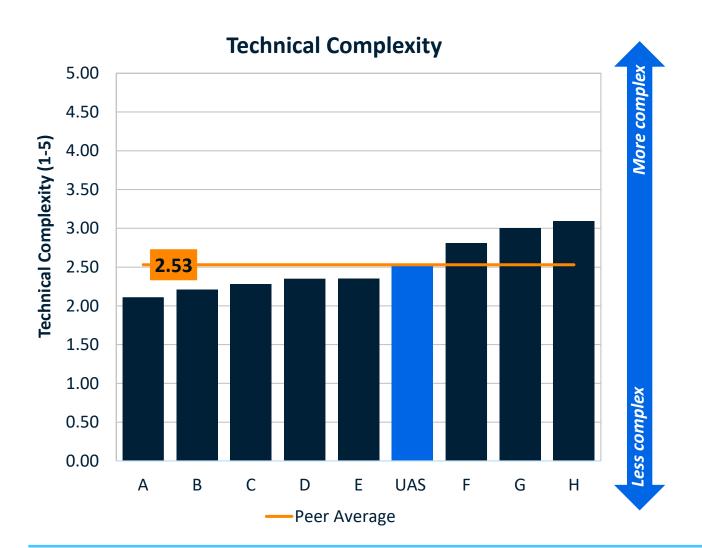




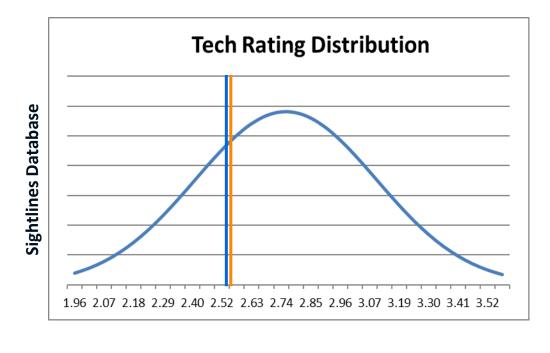
Space Profile

UAS's Technical Complexity is On-Par With Peers









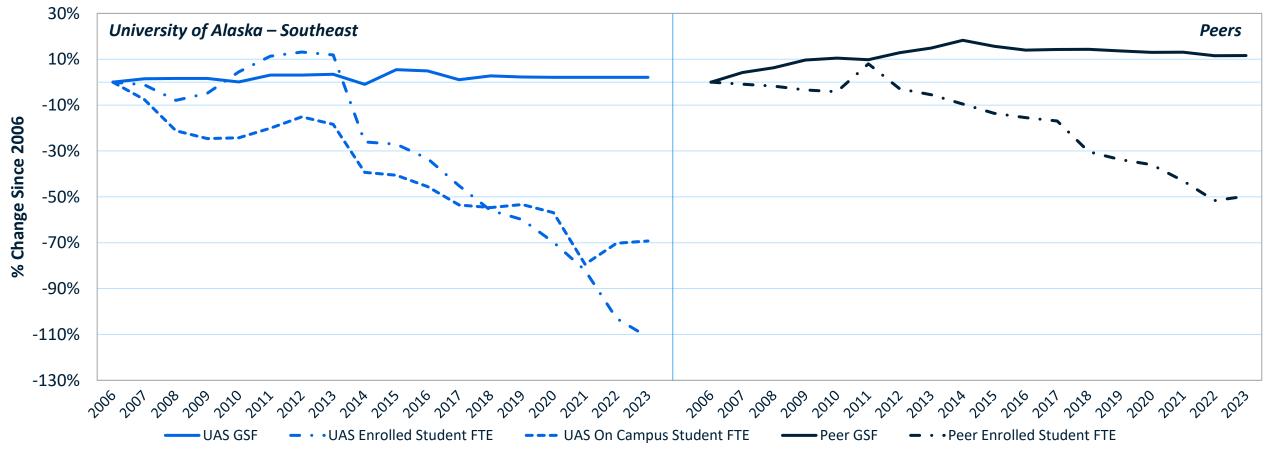


UAS' Campus has Grown Similar to Peers in GSF



In-person enrollment trends are showing similar rate of growth following FY22

Change in campus GSF & Enrollment (indexed to 2006)

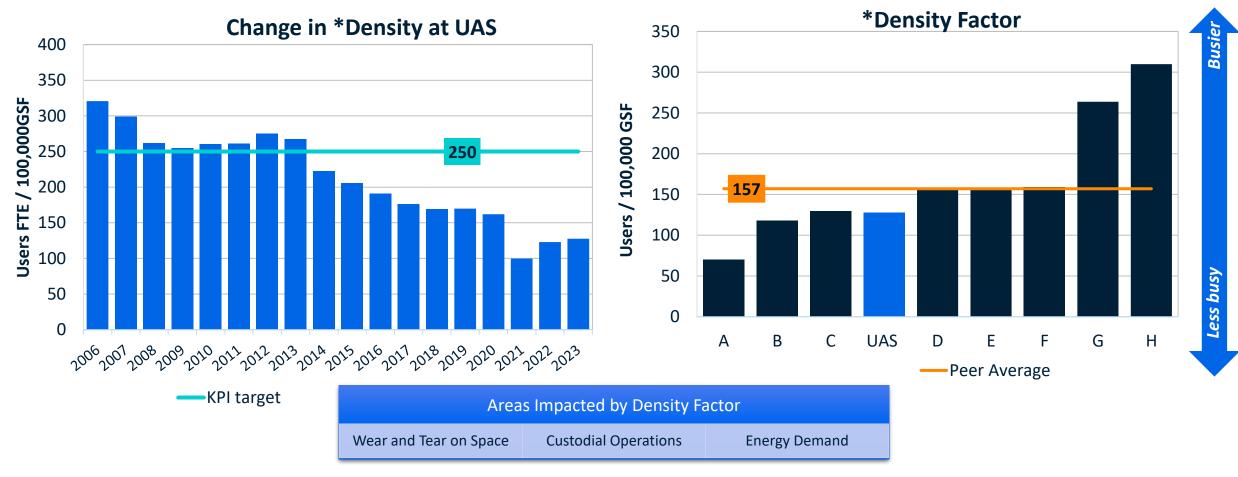




UAS has a Lower Density Campus than Peers



Density factor measures the busyness of campus



^{*}Density is calculated using On-Campus Student FTEs, Faculty FTE, and Staff FTE

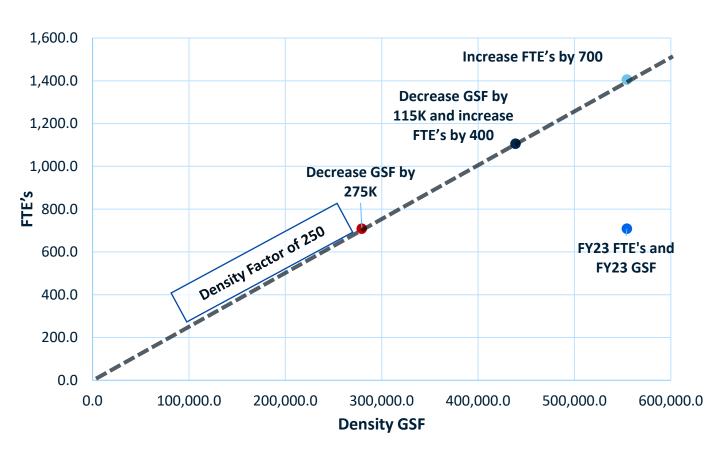


UAS Steps to Reach Target



UAS can add FTE's, decrease usable square footage, or both to reach target

Total on Campus FTE's by Density GSF



*Density is calculated using On-Campus Student FTEs, Faculty FTE, and Staff FTE

Scenarios to Reach 250 KPI Target:

- 1. Decrease total GSF by 275,000 GSF
- 2. Increase total FTE's by 700 (no space Changes)
- 3. Use a targeted approach to decrease GSF, which includes:
 - Transfer the NSRL- 17,591 GSF
 - Demolish Mattocks House- 1,200 GSF
 - Demolish Mathisen House GSF- 1,604.00
 - Should Mathisen be included in Density calculations?
 - Adjust Density GSF at Donald Sperl Joint Use to 21,355 (37.3%)
 - Remove or Sell an older residence hall building?
 - Banfield Hall, is 17,748 GSF, oldest residence building

Total GSF removed from Density – 74,040

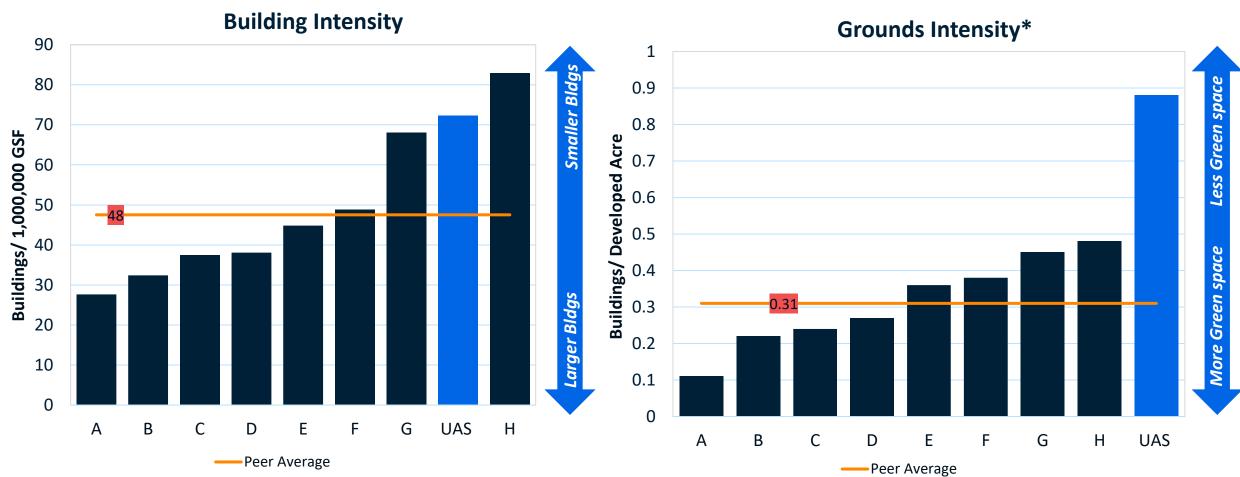
- Still requires adding 400 FTE's
- Removing an additional 40,960 GSF
- Are there other buildings that are underutilized, which could have increased utilization allowing for more demolition of space?



Building and Grounds Intensity



UAS' smaller buildings and compact grounds produces challenges in efficiency for staff



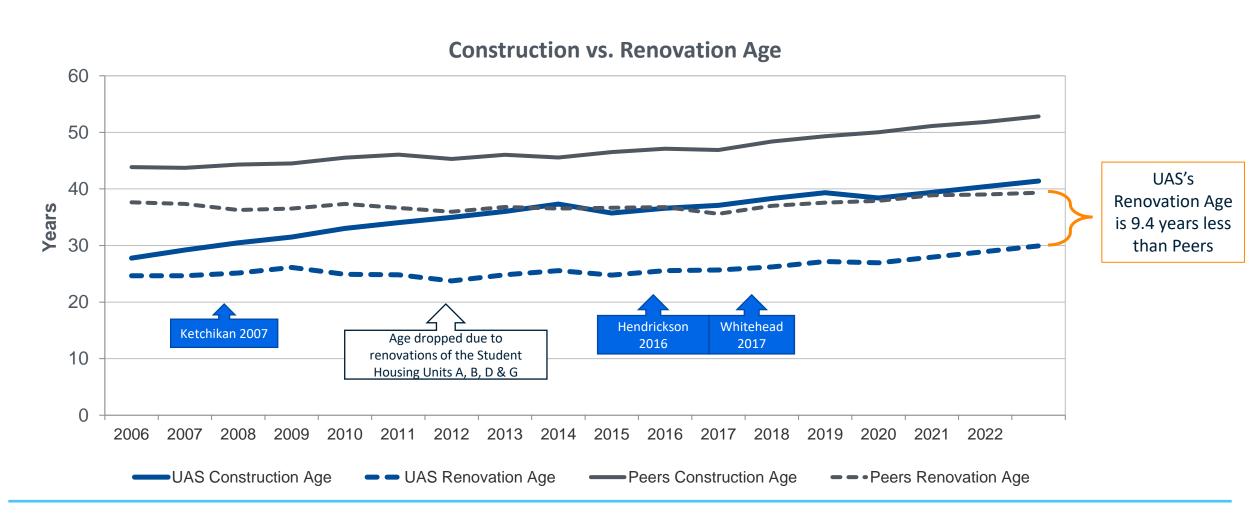
^{*}Grounds intensity calculations only include buildings on developed grounds acreage. UAS owns a substantial amount of forested land not included in metric



UAS Carries a Significantly Younger Campus Age



UAS has been more effective at renovating buildings compared to peers

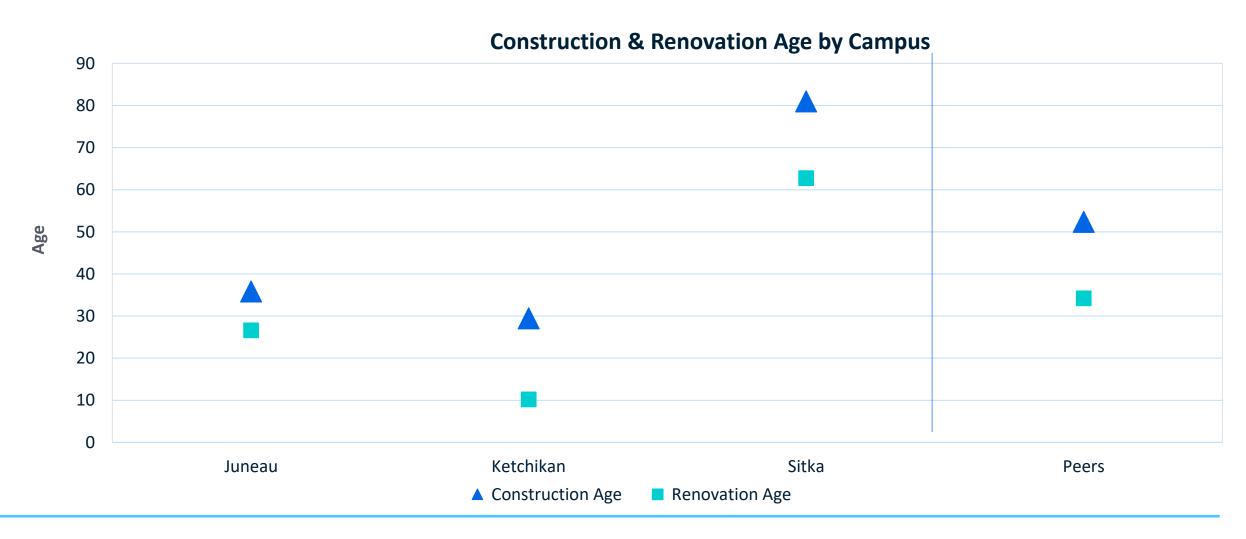




Ketchikan & Sitka are Younger through Renovations



However, Sitka still remains over 50 years old

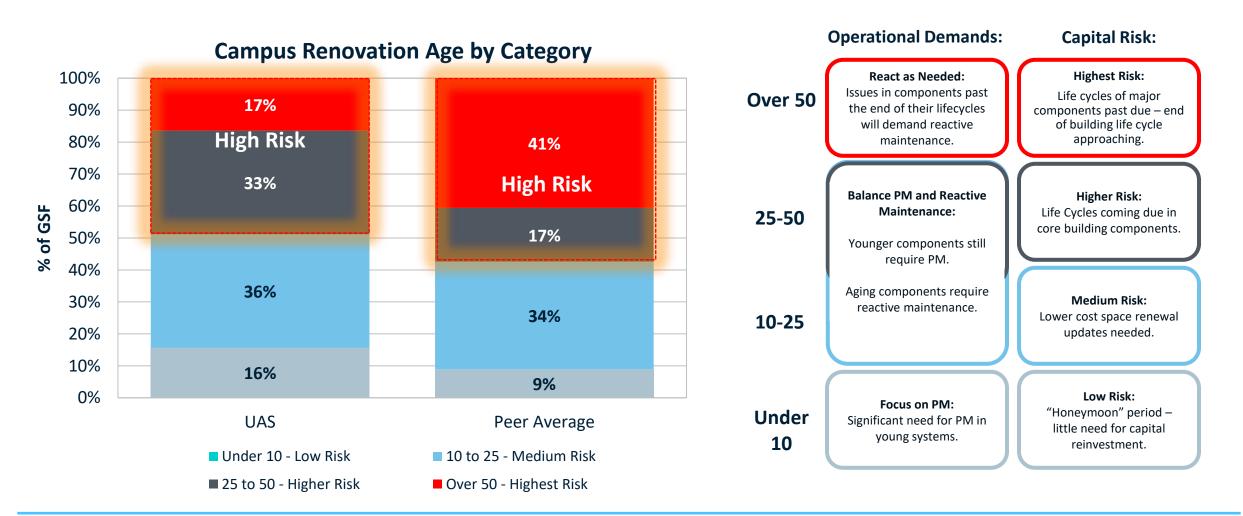




UAS Has More Low Risk Space Than Peers



Lower risk space affords the opportunity to plan ahead for future needs

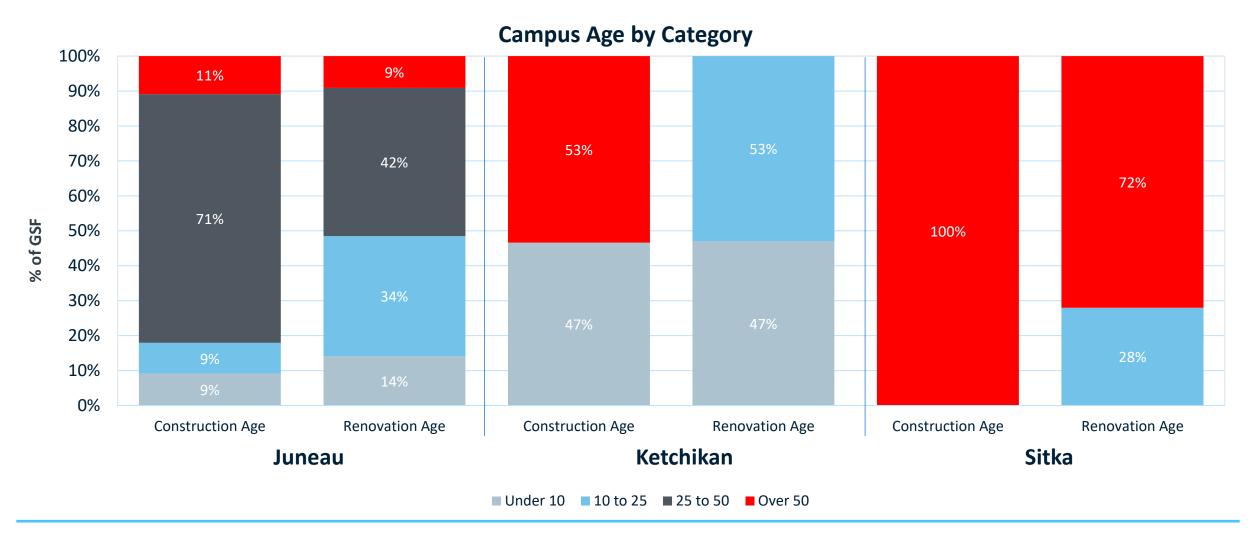








Renovations reduce overall age profile decreasing capital and operational need

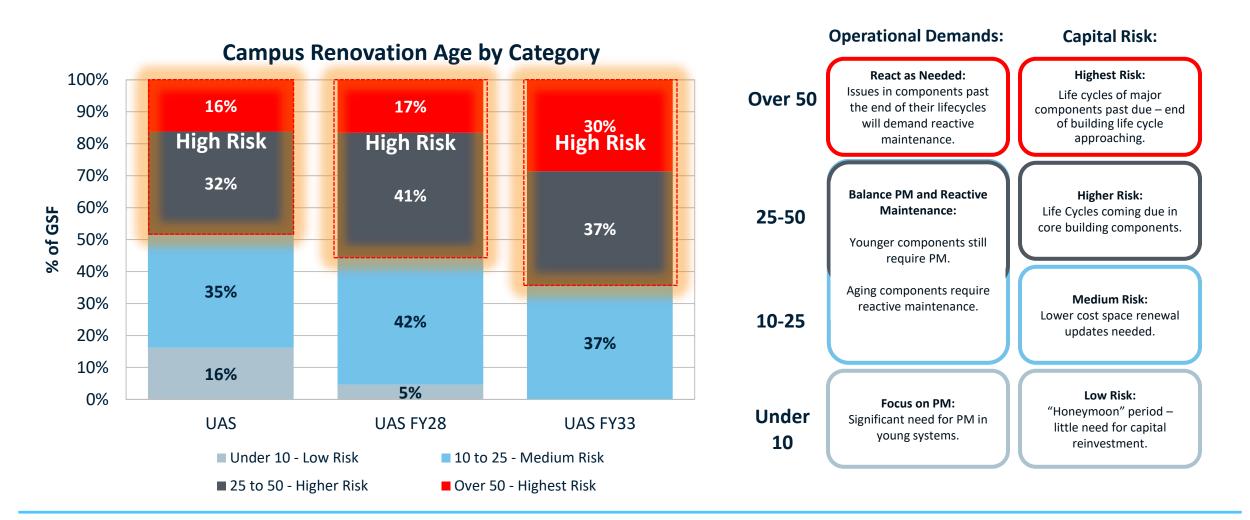




UAS Has Flexibility of Managing a Young Campus



Unless UAS begins to fully renovate space in 5 years 58% of space will be "High Risk"

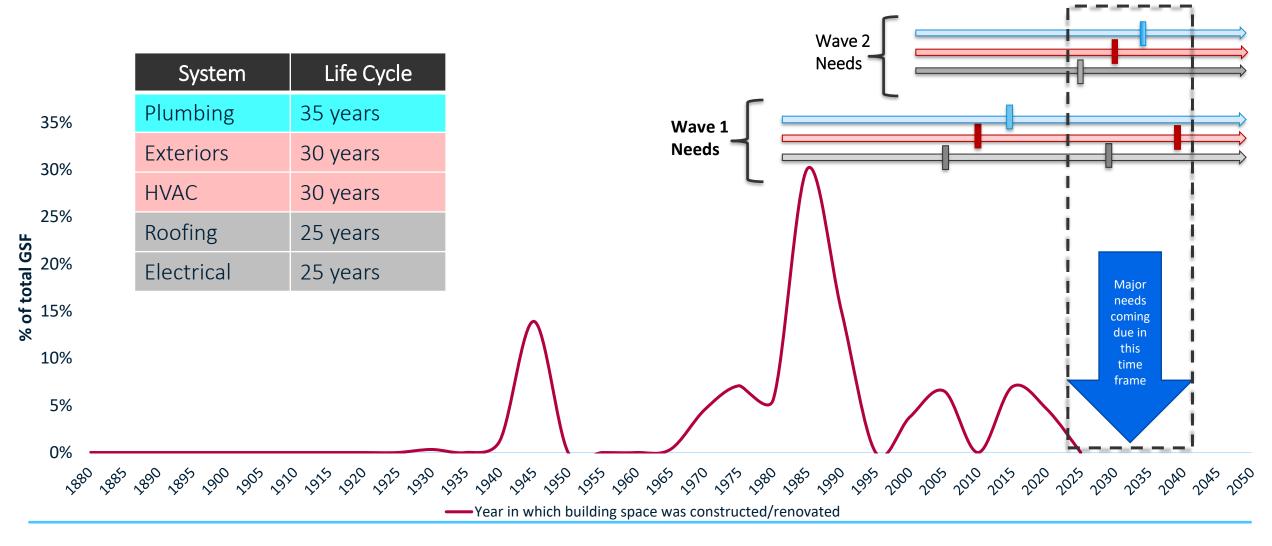




Understanding the Impact of Age on Future Need



Different construction waves will have competing life cycle needs in the future



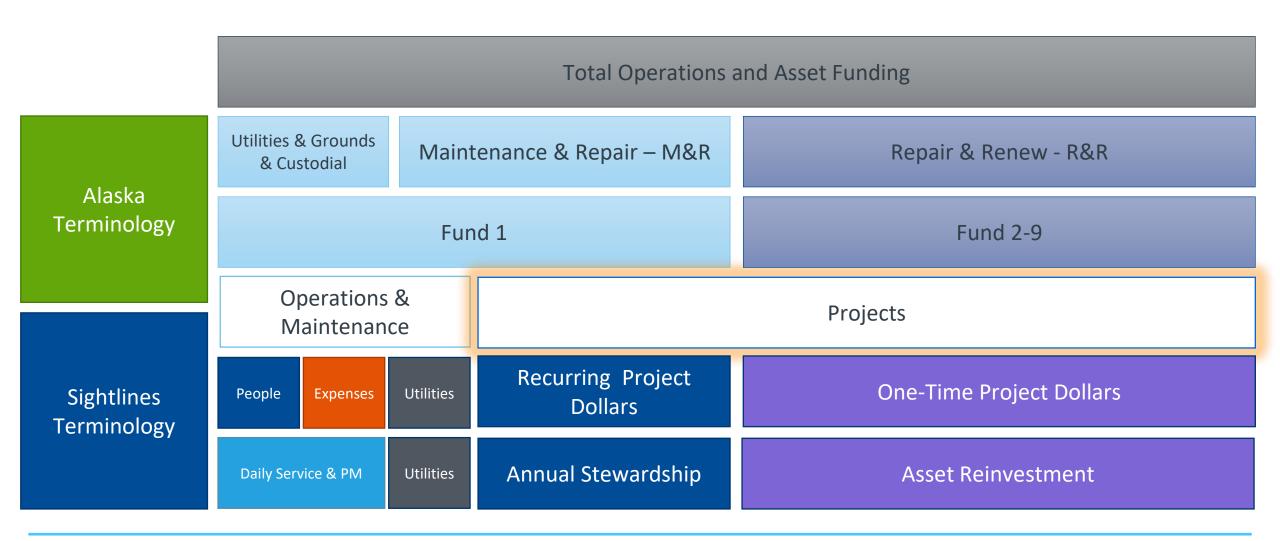




Capital Profile

Capital Funding Sources



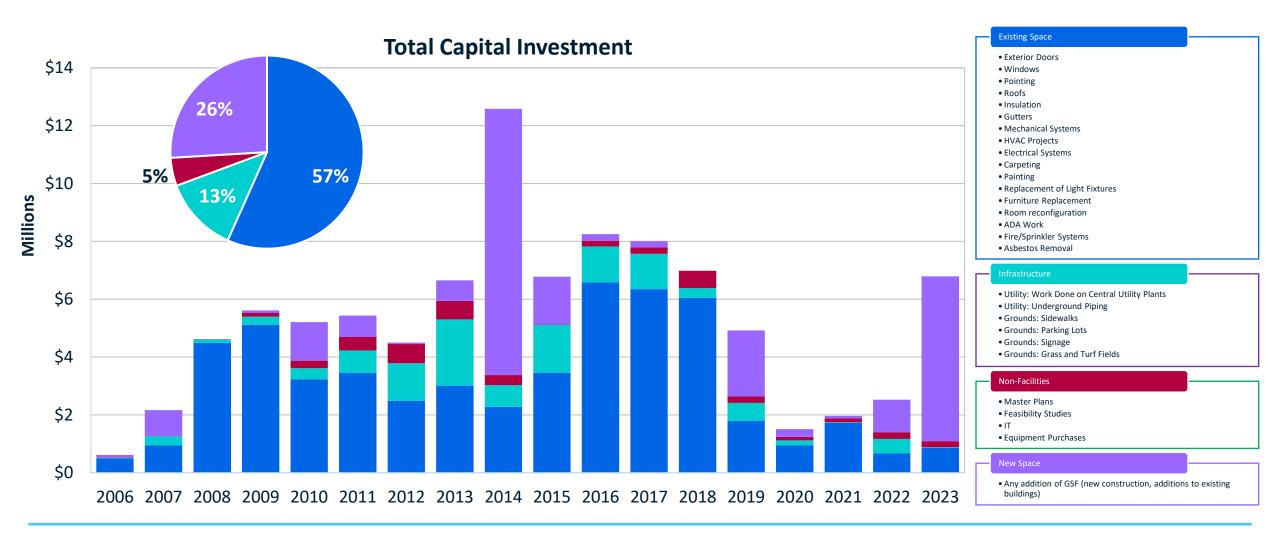




New Space Spending Increased in FY23



Existing Space investment decreased in recent years, but makes up majority of investment

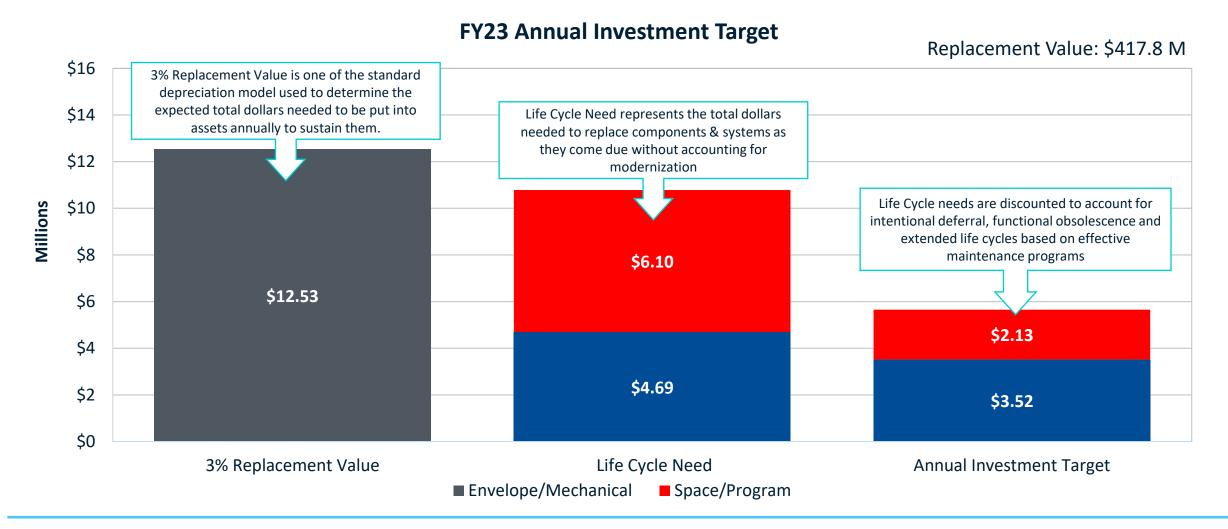




Defining an Annual Investment Target



Annual Funding Target: \$5.7M



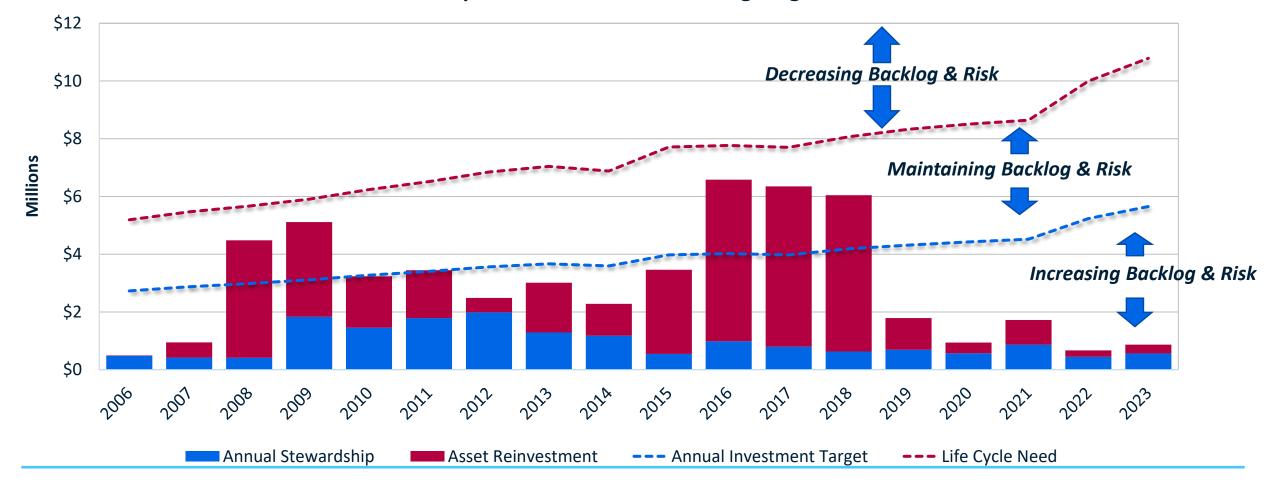


Recurring Capital Spending Falls Short of Target



Since FY18 UAS has increased its backlog, caused by a decrease in existing space investment

Total Capital Investment vs. Funding Target

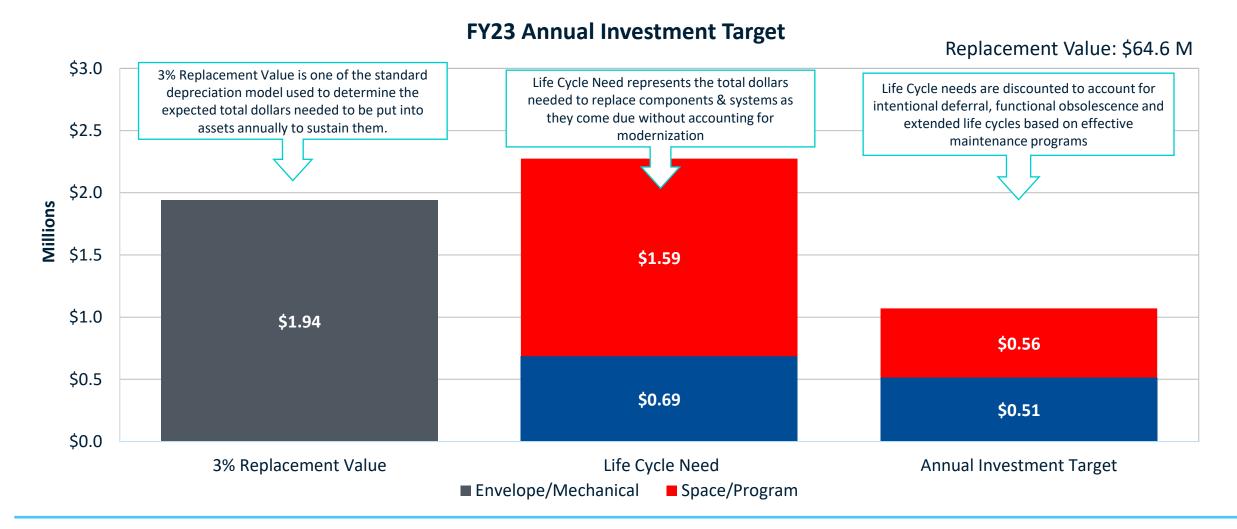




Defining an Annual Investment Target- Housing Campus



Annual Funding Target: \$1.07M



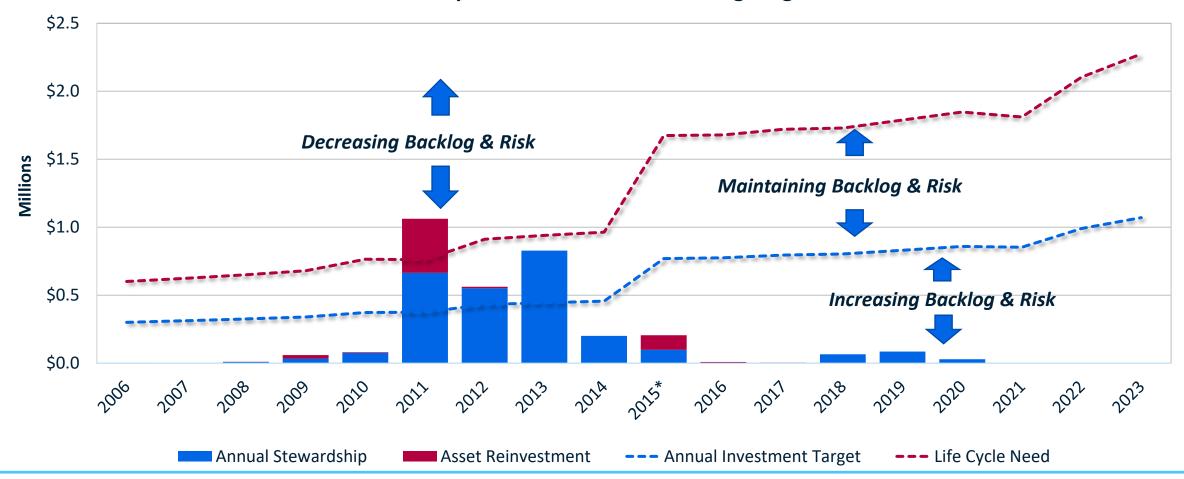


Recurring Capital Spending Falls Short of Target- Housing UNIVERSITY OF ALASKA

SOUTHEAST

Since FY13 UAS Housing has increased its backlog, due to a lack of investment

Total Capital Investment vs. Funding Target



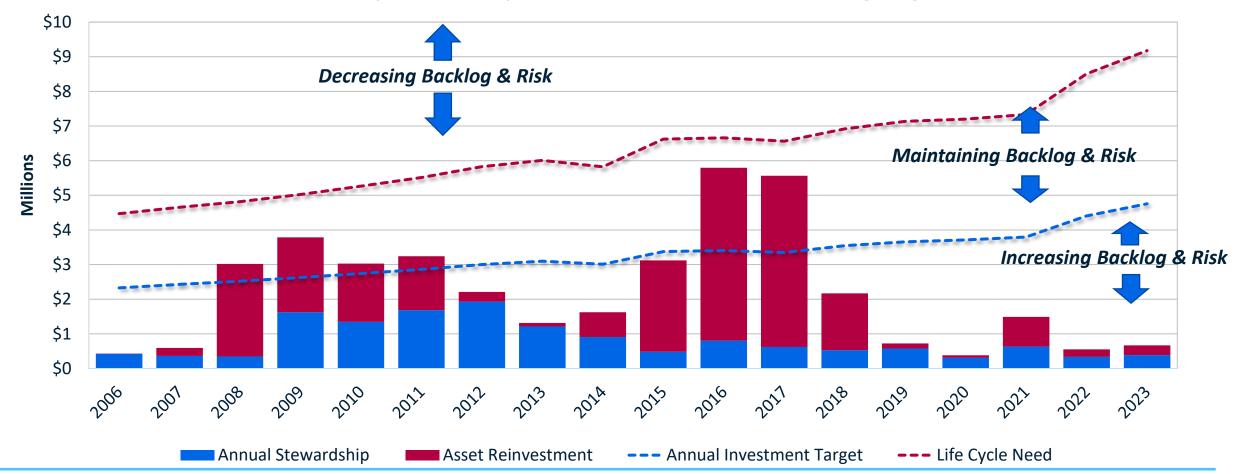


Juneau Campus Capital Spending Sets the Trend



Unlike the combined spending trend, Juneau begins to miss targets after FY17

Juneau Campus' Total Capital Investment vs. Juneau Funding Target



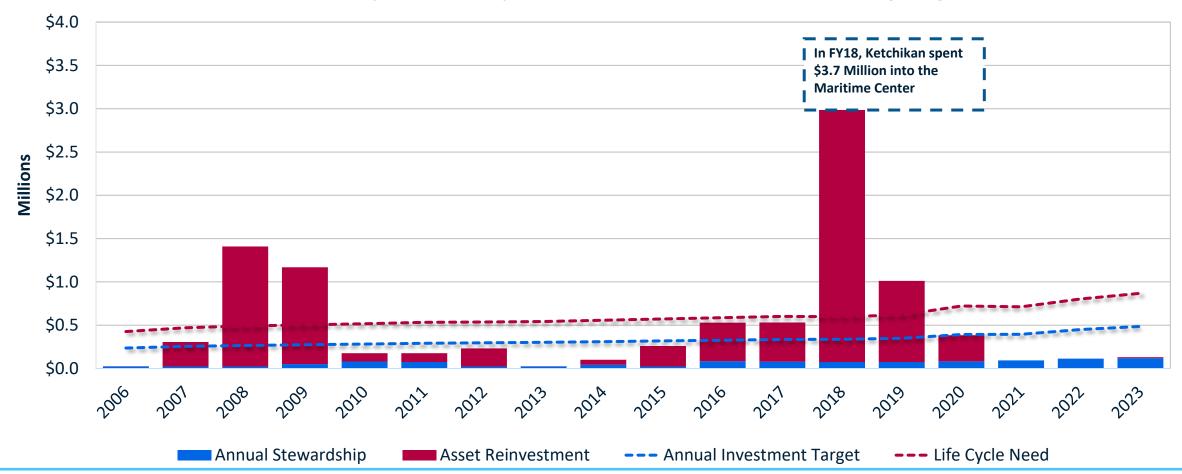


Ketchikan Campus Spending Frequently Meets Target



After FY20 spending has decreased and missed capital targets

Ketchikan Campus' Total Capital Investment vs. Ketchikan Funding Target



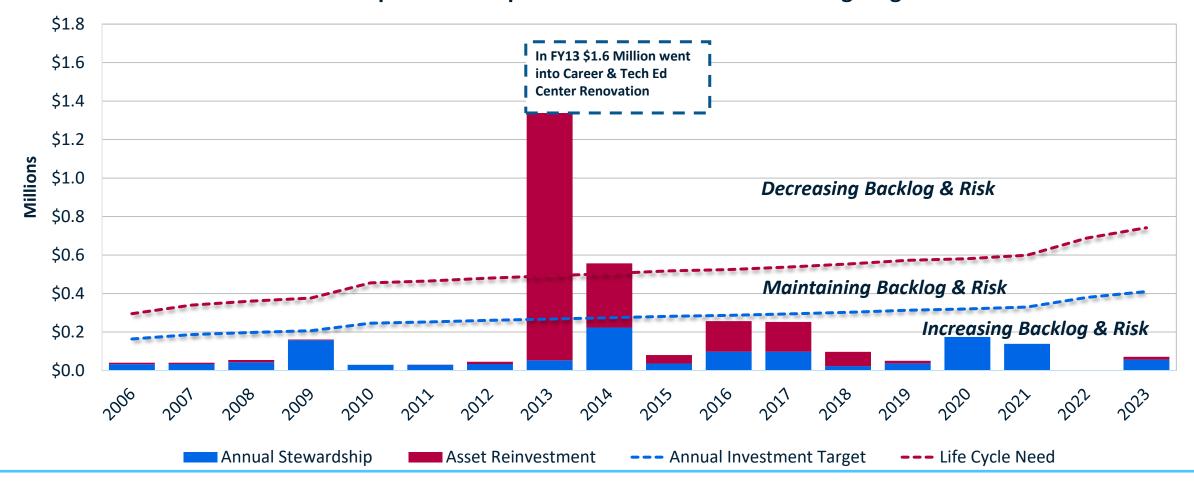


Sitka Campus Missed Targets Increases Backlog and Risk



Backlog continues to increase with missed capital targets

Sitka Campus' Total Capital Investment vs. Sitka Funding Target



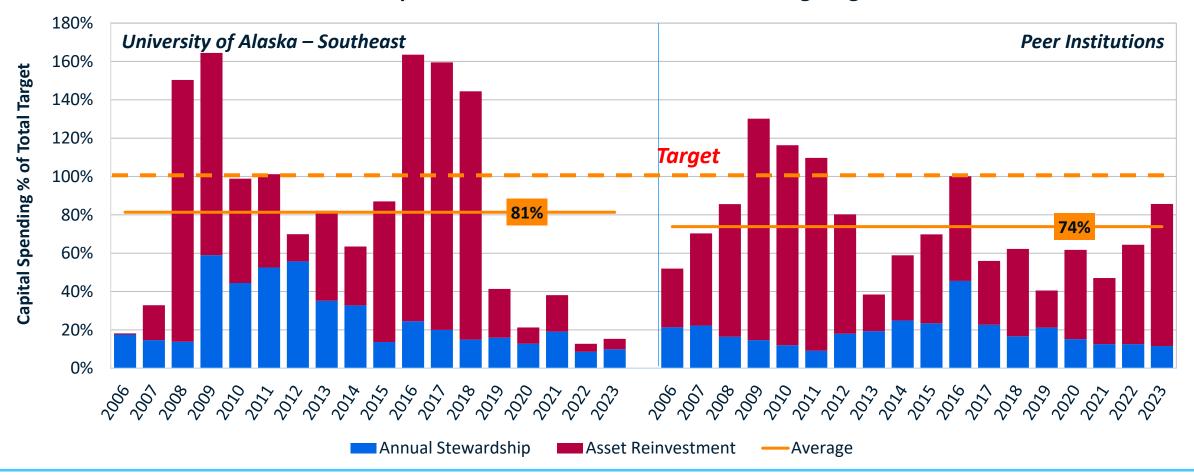


UAS Spends Higher to Target than Peers



Since FY19, UAS has spent 26% to target, peers 60%

Total Capital Investment as a Percent of Funding Target



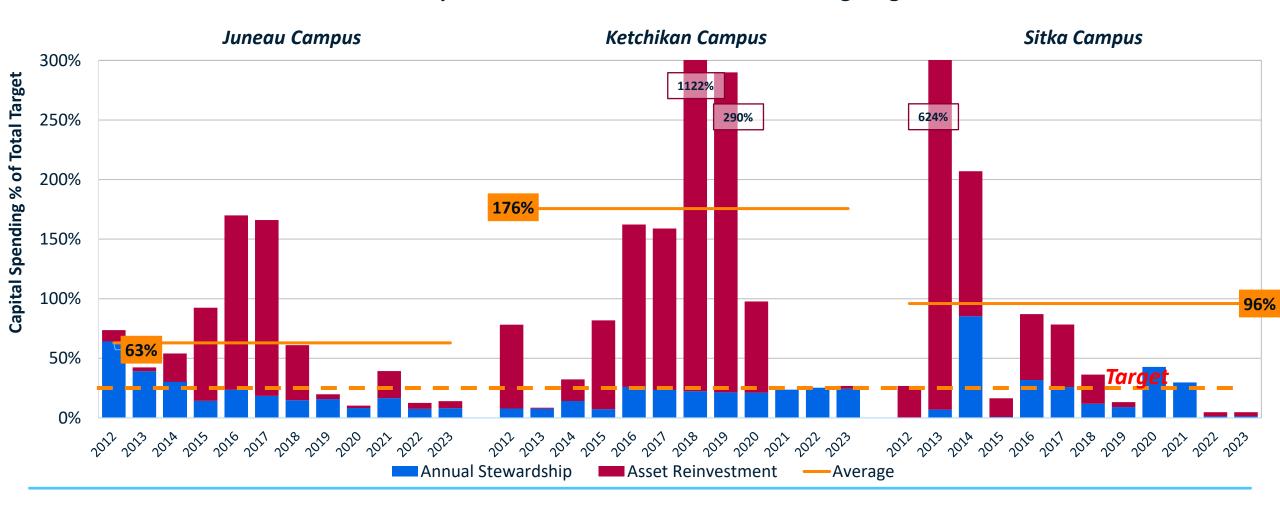


Disparity In Reaching Targets Across Campuses



Large infusions of capital inflate average spend to target

Total Capital Investment as a Percent of Funding Target





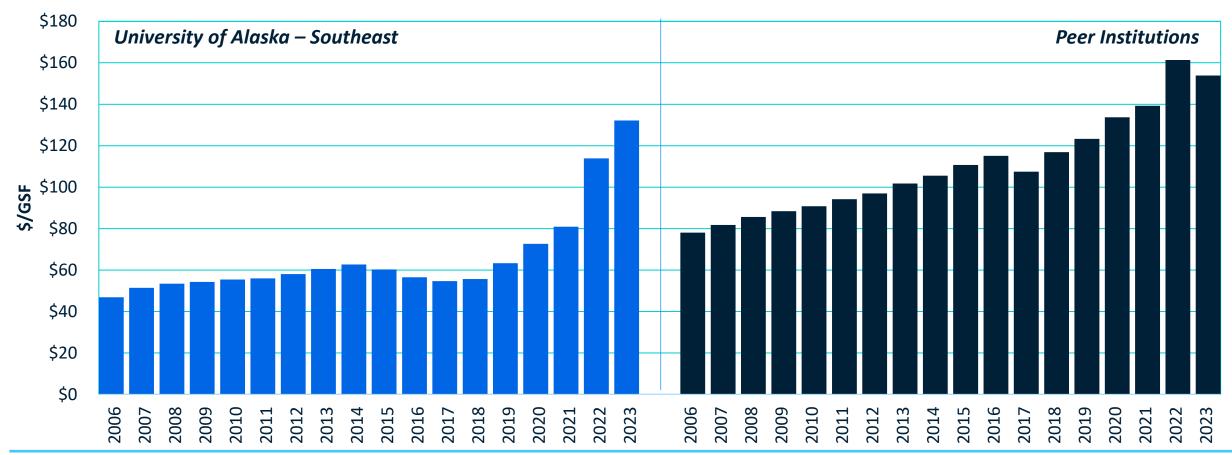
Total Need is Less than Peers



Total need based on FY23 Facilities Condition Assessment

Total Asset Reinvestment Need \$/GSF

Regionally Adjusted



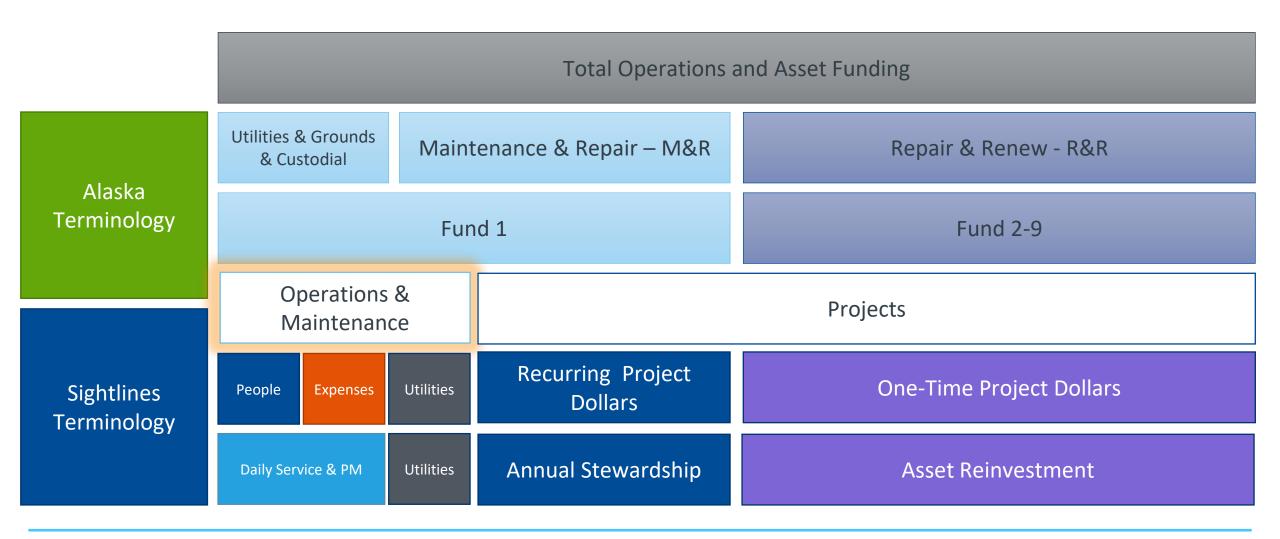




Operations Success

Capital Funding Sources







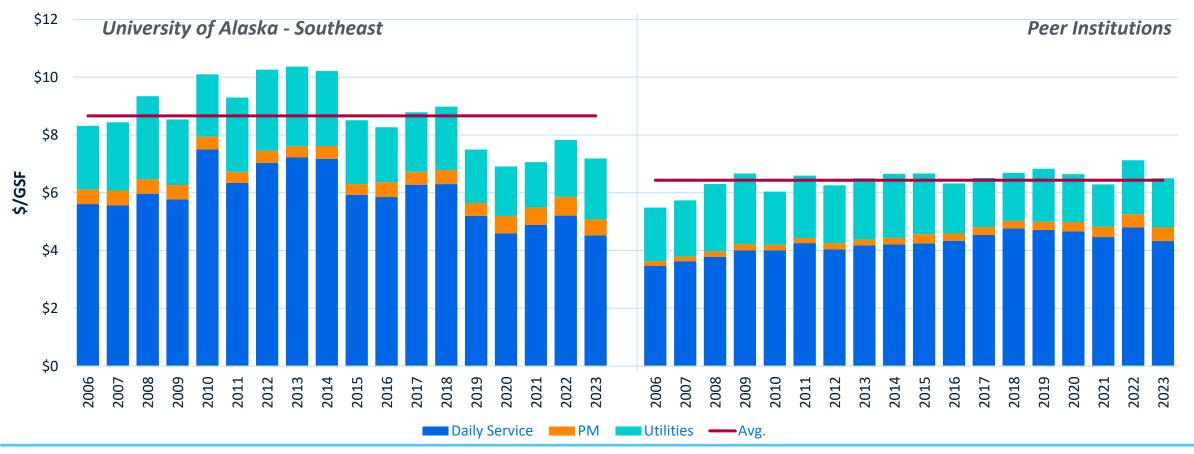
Facilities Operating Expenditures vs. Peers



UAS has reduced its Daily Service expenditures in recent years below peer average

Facilities Operating Actuals

Regionally Adjusted



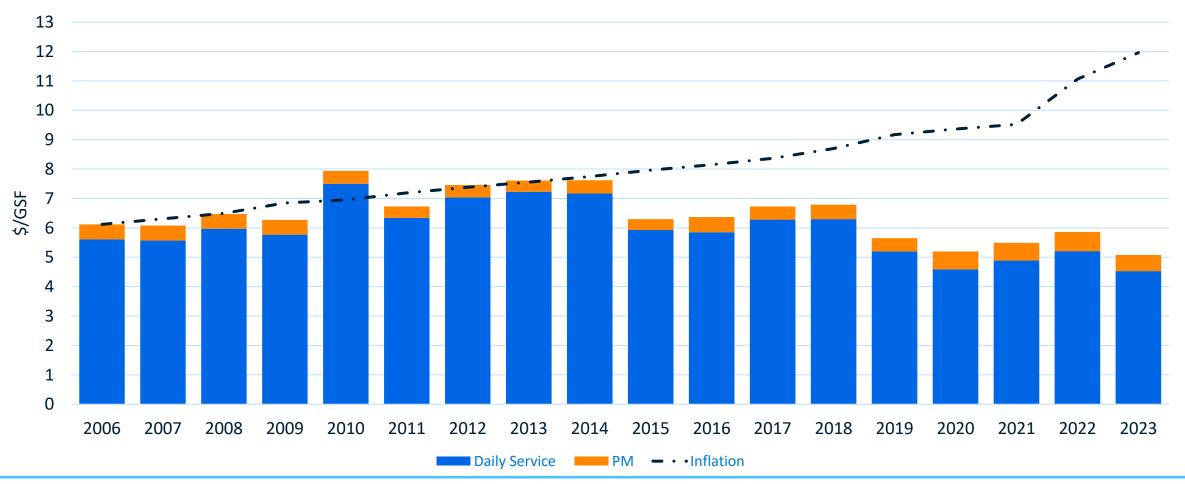






UAS operational spending is 58% less than 2006 actuals when accounting for inflation

Facilities Operating Actuals



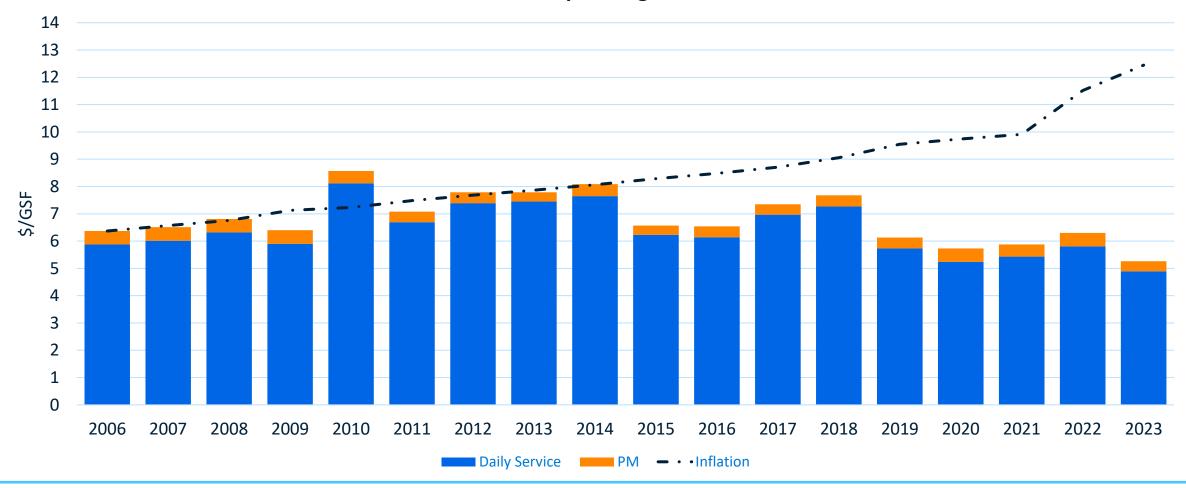


Juneau Campus Decreasing Budget Similar to Combined Trend



Juneau operational spending is 58% less than 2006 actuals when accounting for inflation

Facilities Operating Actuals



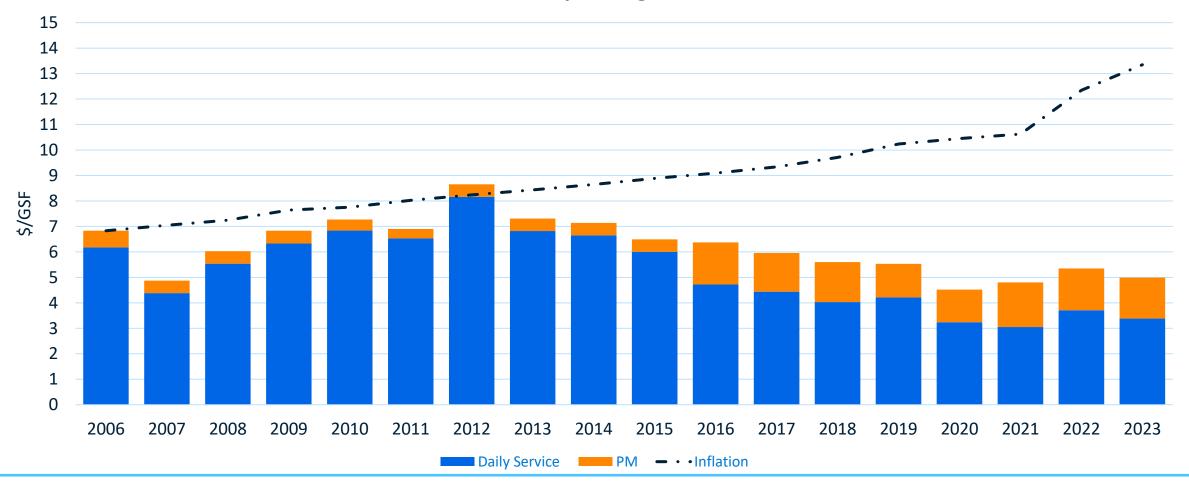






Ketchikan operational spending is 63% less than 2006 actuals when accounting for inflation

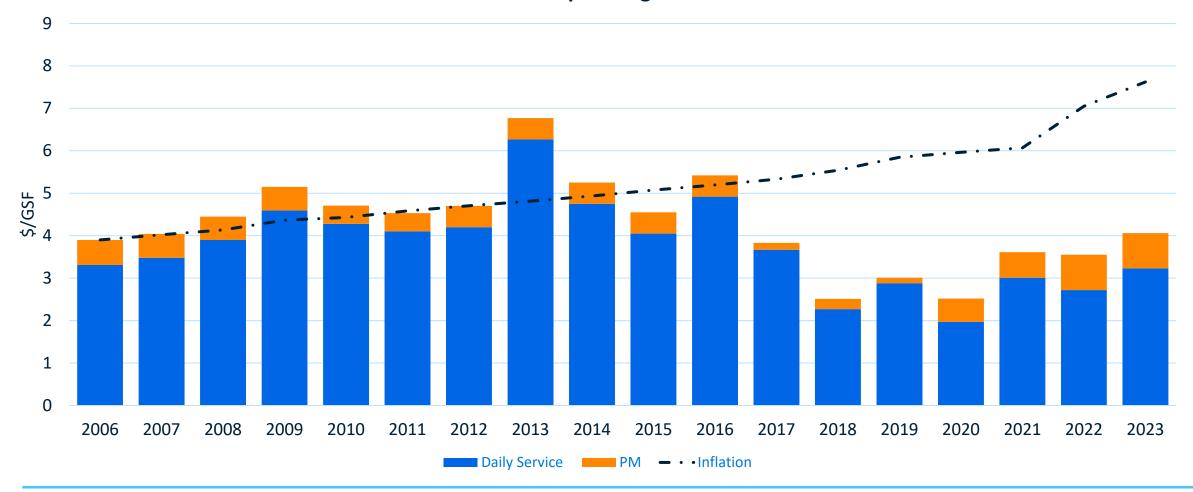
Facilities Operating Actuals





Sitka's Recent Budget Lacks Purchasing Power of Past Years of ALASKA SOUTHEAST

Sitka's operational spending is 47% less than 2006 actuals when accounting for inflation **Facilities Operating Actuals**

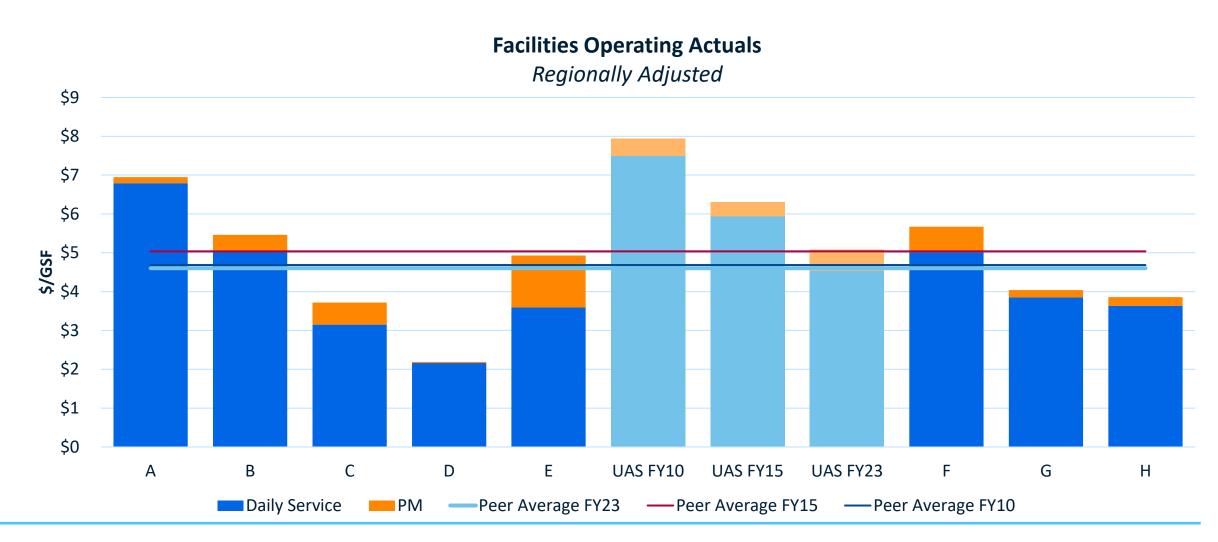




Facilities Operating Expenditures vs. Peers



UAS has decreased its daily service expenditures, while Peer spending has increased

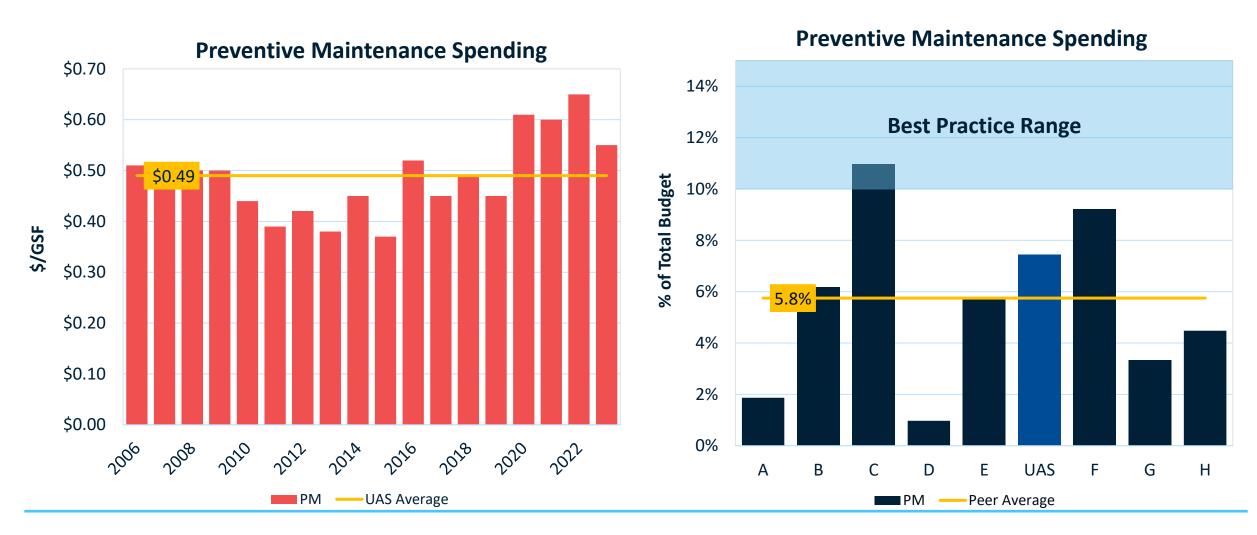




UAS Allocates More Resources to PM than Peers



Recent increases in PM spending result in UAS approaching "Best Practice Range"



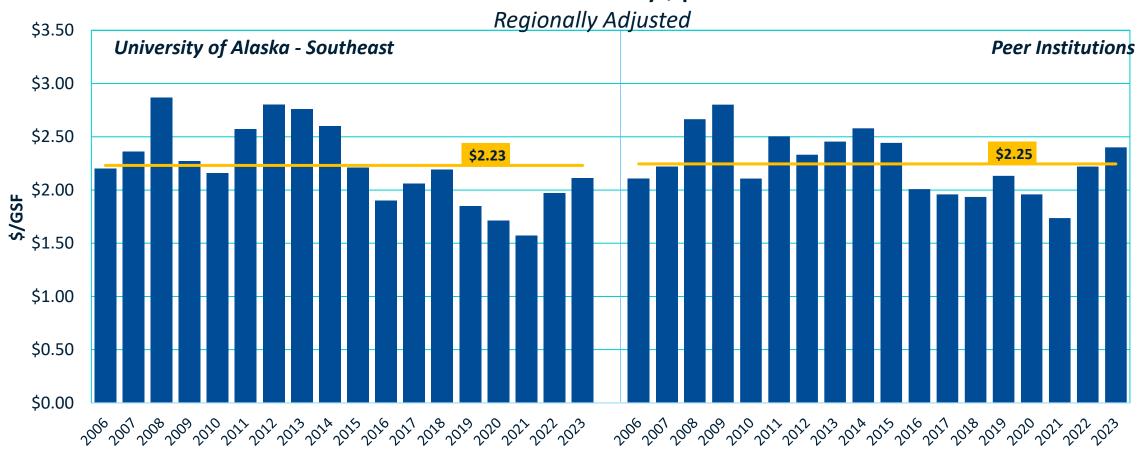


Utility Operating Expenditures Compared to Peers



UAS utility expenditures remain aligned with peers

UAS versus Peer Utility \$ per GSF

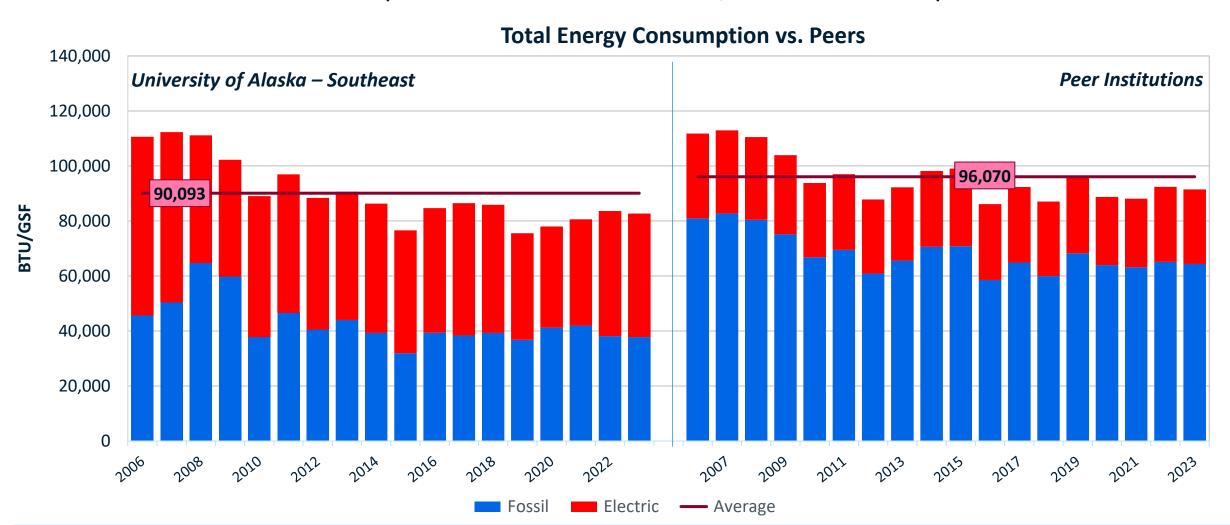




Total Energy Consumption



UAS has seen first consumption decrease since FY19, still well below peers



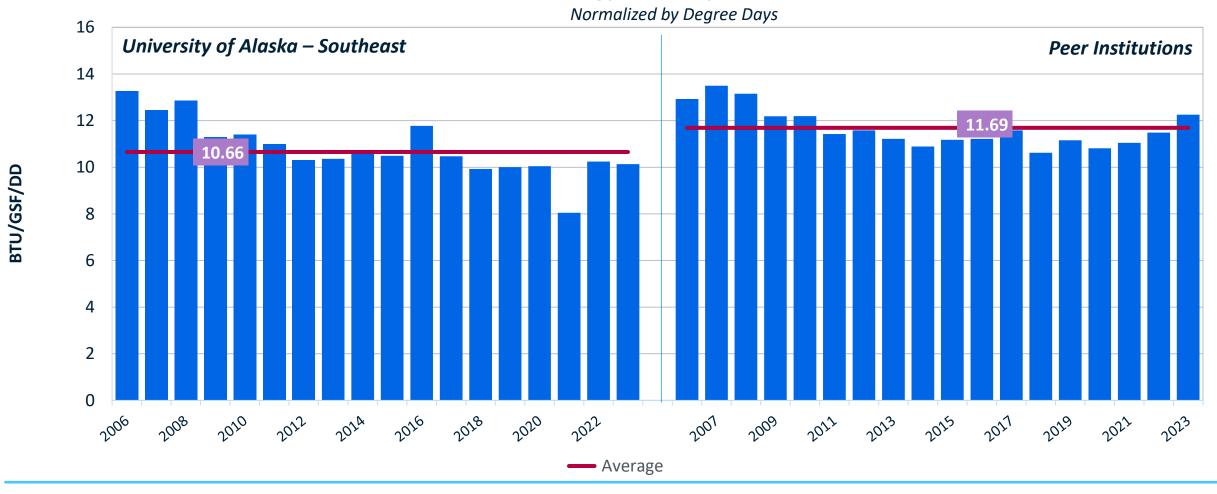


Total Energy Consumption



When normalizing by degree day, UAS' energy consumption remains below peers

Total Energy Consumption vs. Peers

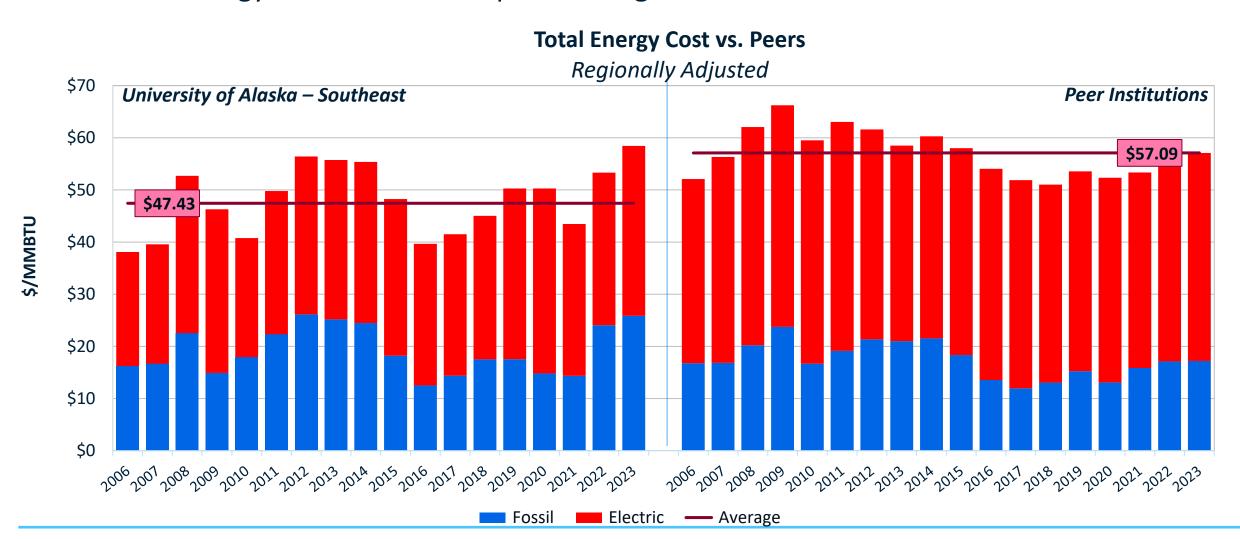




Energy Expenses Fluctuate in Consistent Manner



UAS' total energy costs rose above peer average in FY23

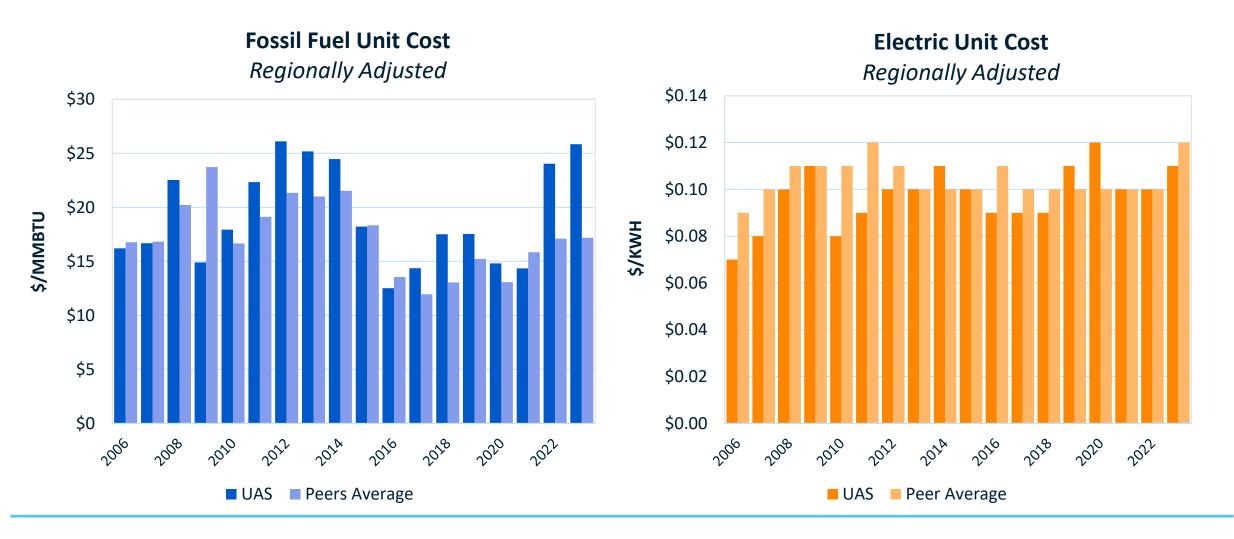




Differences in Unit Costs are Growing vs. Peers



Fossil and electricity unit costs increased, driving total expenditures higher





Maintenance Staffing Coverage



Coverage ratios increased from FY22, due to attrition in staffing

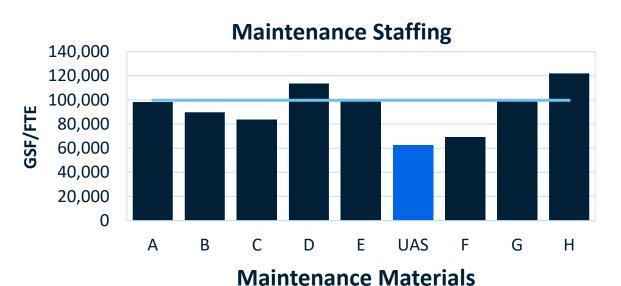


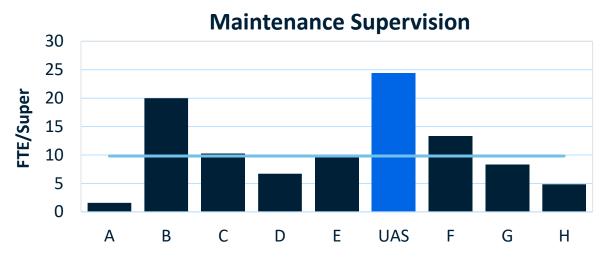


Maintenance Metrics



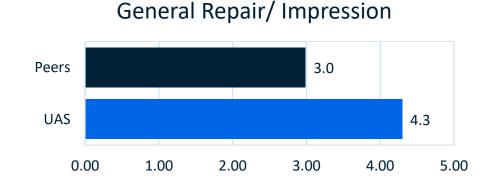
UAS has fewer maintenance supervisors, but more staff and material spend





\$0.40 \$0.20 \$- A B C D E UAS F G H

Peer Average



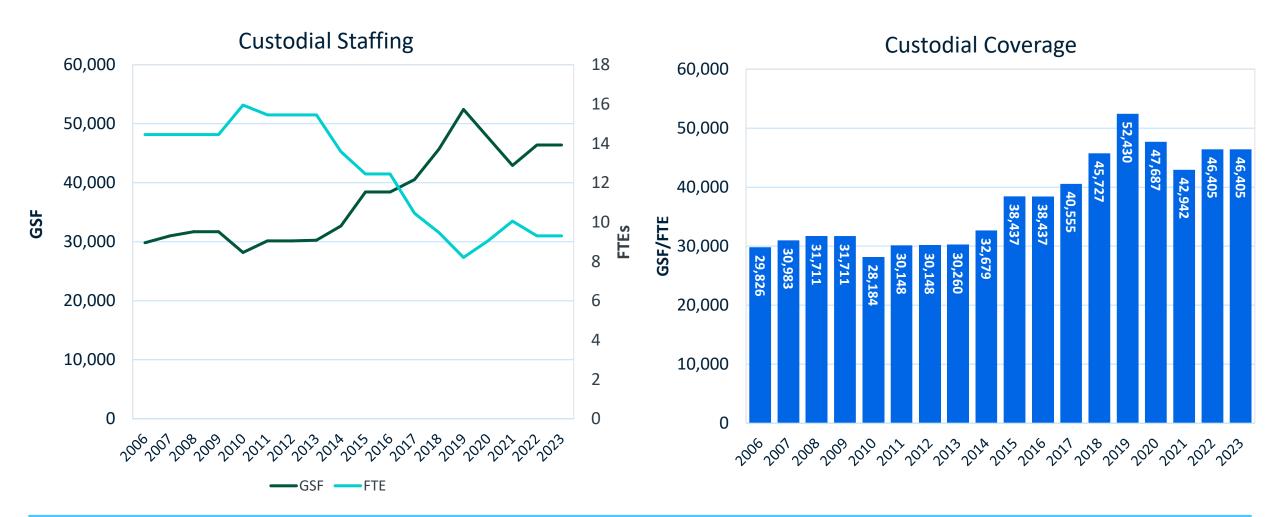


Institutions arranged by Technical Complexity

Custodial Staffing Coverage



Custodial staff coverage has returned to FY18 levels

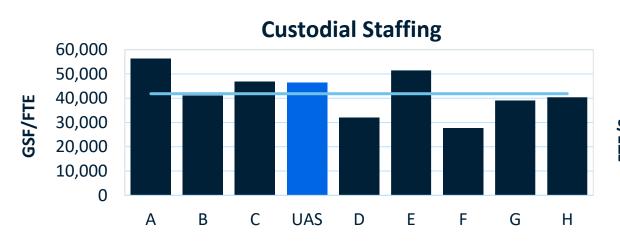


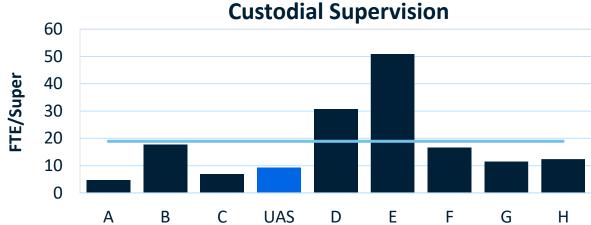


Custodial Metrics

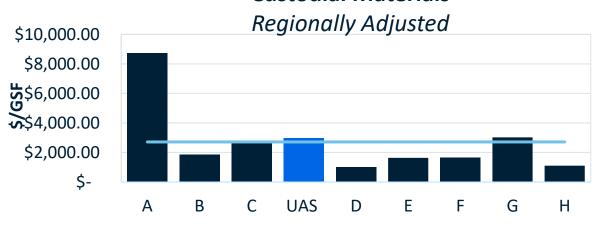


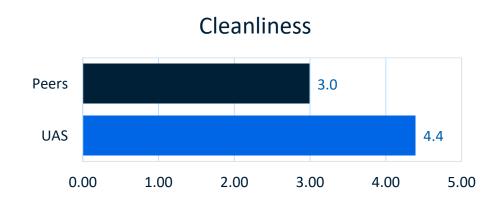
UAS has more custodial supervisors, but custodial staff is responsible for more GSF





Custodial Materials



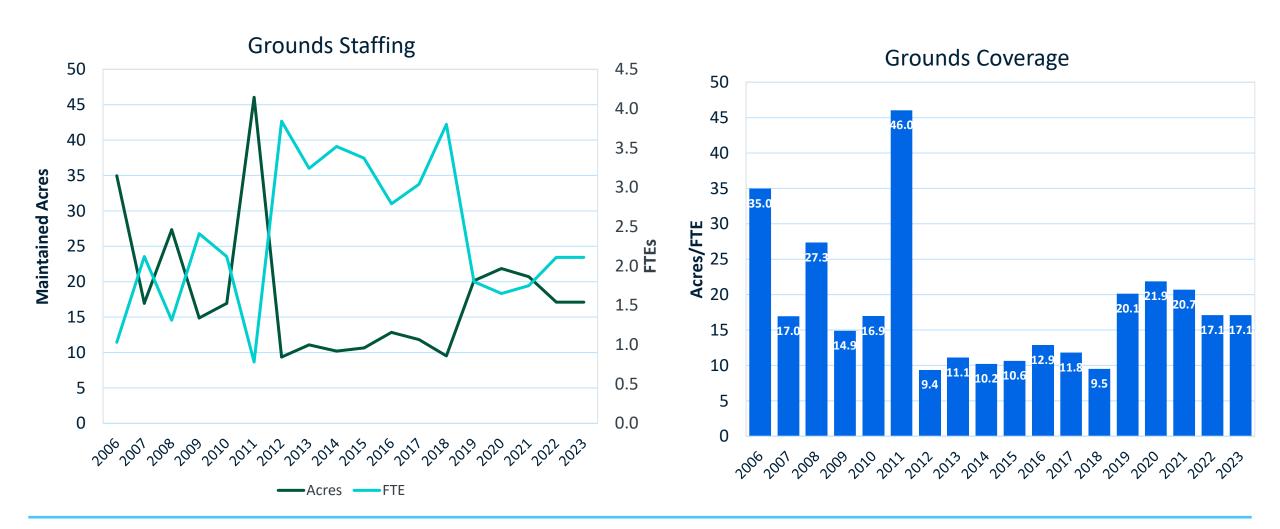




Grounds Staffing Coverage



Grounds staffing fluctuates with loss or gain of temporary employees

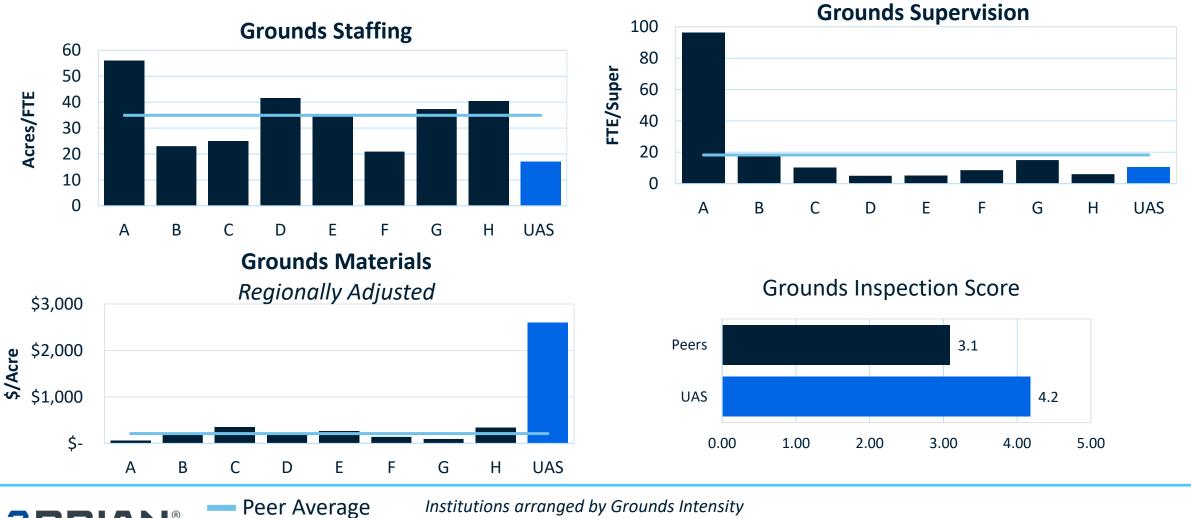




Grounds Metrics



UAS has the highest grounds intensity, which correlates with lower rates of coverage





Questions & Discussion