

Your Mother is Coming in April

Now doesn't that send a shiver down your spine?



I love when my Mother comes to visit me. We go watch whales, eat at fancy restaurant and play pinochle in the evenings. However, after hearing 20 years of "Go Clean Your Room" I still get nervous and do a double cleaning of my room making sure to get the cobwebs out of the ceiling corners, new soap bars in the bathroom and replace that bottle of "Light" Mayonnaise still sitting in the refrigerator from the last time she came to visit. They may not be your Mother, but the NWCCU Accreditation Team still can send a shiver down your spine and we need to "Go Clean Your Room".

The accreditation team is coming April 24-26, 2019 and UAS Facilities Services is preparing a list of the things we need to double clean before their visit. Our list currently includes; waxing floors, power washing sidewalks, washing windows, painting over scuffmarks, and dusting all of the cobwebs out of the corners. We encourage you all to make your own list, straighten bookshelves, and throw away stuff that you no longer use, clean out cupboards, remove old posters and dust your desk.

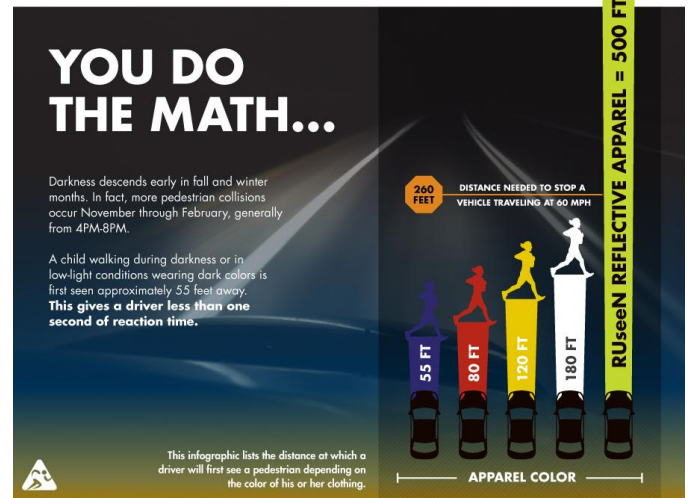
Please let Facilities Services know if there is any way we can help you by providing cleaning supplies, large garbage bags or if you see something that should go on Facilities Services' list. Our contact information and work order form is on the Facilities Services website

http://www.uas.alaska.edu/facilities_services/index.html

The accreditation team and my mom both agree that **Student Learning** can also be enhanced by a clean room.

- Nathan Leigh - UAS Facilities Director

Be Seen – Be Safe

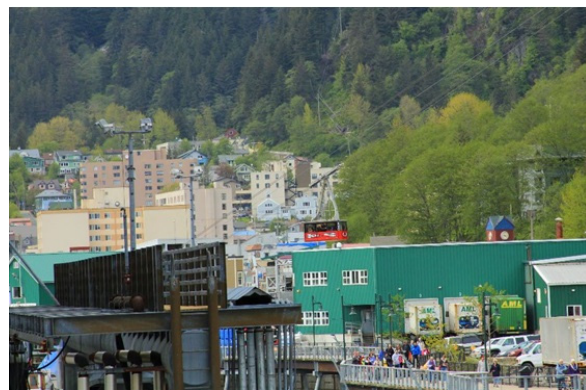


One of the most important times you want to be seen, is when you are walking along a road and a car is approaching. Juneau dark wet climate makes it very difficult for motorists to see pedestrians walking along the road or even crossing in a cross walk. The wet black pavement and wet dark green trees soaks up all the light making it like driving in the abyss. You can help motorists to see you by wearing a light colored coat, hat, and gloves or even better something that has reflective patches. The above figure is a great example of how much better you will be seen wearing the proper clothing.

My uncle would laugh at me when he would say "I better drive back home before it got dark and I would say "don't you have headlights." Now that I am an old uncle, I'm still a learning that night vision is not as good as it once was when I was young. When I was young I could spot mice along the edge of the road. Now I have difficulty seeing a full grown person along the side of the road.

Please Be Seen – Be Safe.

Nathan Leigh – UAS Facilities Services Director



HazMat Training Exercise

On January 9th, 2019 Craig Cottrell and Dan Garcia participated in a city wide HAZMAT Emergency Table Top Exercise-TTX. The exercise was sponsored by the City & Borough of Juneau & Juneau Local Emergency Planning Committee, and was supported by the State of Alaska Division of Homeland Security & Emergency Management. The exercise was developed through collaboration of Juneau's Exercise Planning Team and AK DHS & EM.

We were asked to participate in the exercise because of our functional positions at UAS and our expertise in the scenario that was being used to test the current response procedures and plans. This [Community Engagement](#) opportunity increased our understanding of a realistic hazardous materials response within the City of Juneau and allowed us to share and gain valuable information to improve our response capabilities at UAS.



Pedestrian Flags

We were able to install pedestrian crossing flags for the crosswalk at the campus entrance intersection and for the crosswalk at the roundabout on Glacier Highway. The installation of orange flags at crosswalks to intended to improve pedestrian visibility and help everyone stay safe as they cross the road. Pedestrians simply pick up a bright orange flag and carry it with them while crossing and leave it on the other side.

Studies have shown that providing visual cues can help with pedestrian safety. In addition, just having the flags

sitting in their holders raises motorist awareness of pedestrians by making the crosswalk locations more visible. The person walking still does need to exercise caution, but the flags give them one more tool to be safe.

This project was inspired and led by the efforts of Margie Thomson the Coordinator for Disability and Counseling Services who frequently walks to campus. The idea of adding the flags was specifically intended to add another element of safety, and it was accomplished at a minimal cost to the University. After Dan Garcia obtained the flags, Ray Roberts had them installed within hours on January 15, 2019.

Back Loop Street Lights

We have installed some new and improved streetlights at the Back Loop Road intersection. The light design of these new lights is much better than the old lights. They are LED lights that are able to spread the light out more uniformly across the intersection. We added one additional light on the southeast corner light pole providing more side lighting to the pedestrians in the cross walk. It is this side light that makes the biggest difference in helping a motorist see a pedestrian because light shining on the top of a person does not reflect much back to the motorist, while light shining on the side of a person reflects lots of light back to the motorist. You can see this experiment for yourself next time you are following a car down the highway at night, notice that you can see them the best is not when they are directly under the street light, but several feet after they have passed the street light.

Egan 104 Lighting Upgrades

With a bit of assistance from other crew members, our electrician was able to remove the obsolete light fixtures from 104 Egan, and replace them with these efficient, dimmable LED fixtures during the recent winter break.



Egan Wing Paint and Lighting Repairs

Some of the walls in Egan Wing needed a new coat of paint. Our crew worked during the winter break to patch and paint the walls with the most wear and tear. Lighting issues were also addressed in numerous locations throughout the building, including the first floor hallway.

Writing Center Paint Project

One of the projects our Facilities Services crew worked on during winter break was the painting the Writing Center. Since the paint was still in working order, the Library Department paid for this work. It looks great and they have made way for some future artwork.



ADDRESSING YOUR MAIL

If you want your mail delivered to you, don't forget to include your building and room number or your UA mailstop. If you don't know your office mailstop, please check with your Administrator Assistant or contact us in Facilities Services. Here is a great example for a university address:

First Last
11066 Auke Lake Way
UAS Mailstop NOV4 (Novatney 4)
Juneau, AK 99801

SHOUT OUTS

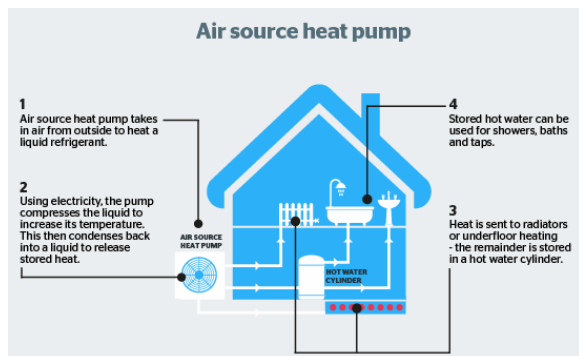
"I just wanted to say thank you so much for working with the Glacier State Construction to take a break from working on the project next door this week during finals. I know that it was a relief to many students and faculty. A few students have even come to me to say how nice it was to have the quiet during their finals. I wanted to pass that onto you and your team."

For: Ke Mell, Project Manager
From: Michelle Warrenchuk, A & S

SHOUT OUTS

"I wanted to thank you for loaning my students the Christmas decorations, lights, and extension cords for their fundraiser at Gastineau Humane Society. The decorations looked beautiful, the students had ornament-making for kids, and refreshments for all. In the four hours of the event, \$300.00 in donations were taken in for GHS. We'd like to believe that the festive attitude, decorations, and fun activities helped shelter visitors contribute more. Erin Galla was to have returned the lights, etc. I hope everything is in good order. Thanks for your help to a successful student project!"

For: Ray Roberts and Grounds Crew
From: Rosemarie Alexander, Arts & Sciences



Coefficient of Performance (COP)

UAS has four Air Source Heat Pumps (ASHP) that provide heat for: John R Pugh Residence Hall, Hendrickson Building, Whitehead Building and the Southeast Marine Training Center. The main benefit of ASHP is that they provide more heat into the building per Kilowatt-hour (kW) of electricity than an electric boiler. For example, an electric boiler will provide 3,343 BTU's of heat for each kW of electricity. An ASHP will provide somewhere between 5,000 and 9,000 BTU's of heat for each kW of electricity. We calculate the Coefficient of Performance of an ASHP by dividing the energy coming out of the ASHP by the energy being put into the ASHP.

$$\text{COP} = \frac{\text{Energy Out}}{\text{Energy In}}$$

The ASHP at the Residence Hall has been able to produce a COP of 2.5 when the outside temperature is in the 40's. During the cold snap in late January when the outside temperatures were in the single digits, the ASHP was still able to produce a COP of 1.5. This is quite amazing for us engineering types, energy conservation types and saving money types.

Your [Student Learning](#) Assignment: Electric boilers have a 98% efficiency rate. ASHP can produce twice the heat as an electric boiler, which is published as being 200% efficient. How is it possible to be more than 100% efficient without breaking the laws of physics?



UAS Facilities Services make Big Splash at Polar Bear Plunge

UAS Campus Life organized and conducted another great [Creative Activity](#) for our community. The Polar Bear plunge held on February 10, 2019 is one of those activities that you can look back in your latter years and feel that you have lived life to the fullest. There is nothing like gathering with 50 of your closest friends and colleagues, dressed in amusing attire and jumping into an ice encrusted Alaskan Ocean to permanently freeze a thrilling memory in your brain. Craig Cottrell, our UAS Emergency Management Planner accepted the challenge to represent UAS Facilities Services at the Polar Bear Plunge. Craig has been with UAS for about 6-months and has made a Big Splash in Auke Bay and on campus, with his 6'5" XXL frame, and his unyielding devotion to helping UAS and each one of us become more prepared in the event of an emergency. Ray Roberts and his grounds crew were excited to help with the second most popular event at the polar bear plunge, the hot tubs.



Thank You UAS Campus Life for letting Facilities Service be part of helping with this great activity



PROJECT UPDATES

We did not get these projects completed last summer. We should get them done this summer.

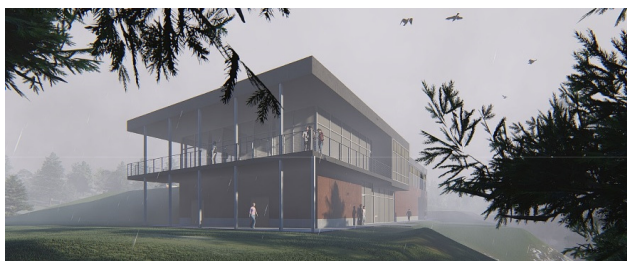
- Auke Lake Campus Concrete sidewalk repairs
- Anderson Salt Water System Rehabilitation
- Egan North Wall Painting
- Soboleff Ceramics Room Garage Door Replacement
- Student Housing Fuel Tank Storage Replacement
- Student Housing Tool Shed Upgrade
- Technical Education Center Garage Door Replacement
- Technical Education Center Entrance Lighting Replacement
- Sitka Exterior Doors Replacement

Auke Bay Station

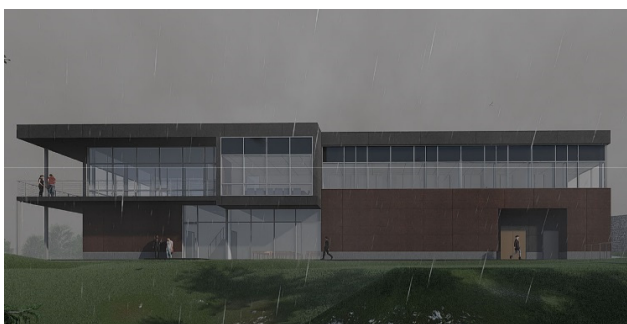
Phase I was completed Summer/Fall of 2018 and included removing the 1961 former NOAA lab and three small out buildings, tree clearing and rough site grading in preparation for the new building.



Phase 2 will construct a new 11,194 square foot home for our environmental science and geography programs. The latest project cost estimate came in about \$1-Million over budget. UAS staff and the Consultant have modified the design to bring the estimated project cost within the approved project budget. These modifications include replacing finishes and fixtures with less expensive options and identifying portions of the project that can be eliminated from the project. If everything runs smoothly, construction should start summer 2019 with the new building ready for students to attend classes in fall 2020.



Architect Rendering West Side



Architect Rendering Southside
Ke Mell – UAS Project Manager

Auke Lake Guardrails

Like winter before spring, progress on the Auke Lake railing replacement is hidden from view. We had originally anticipated installation in the middle of fall semester, but some good things take a long time. Installation is now anticipated by the end of May.
Ke Mell – UAS Project Manager

Northwest Coast Arts

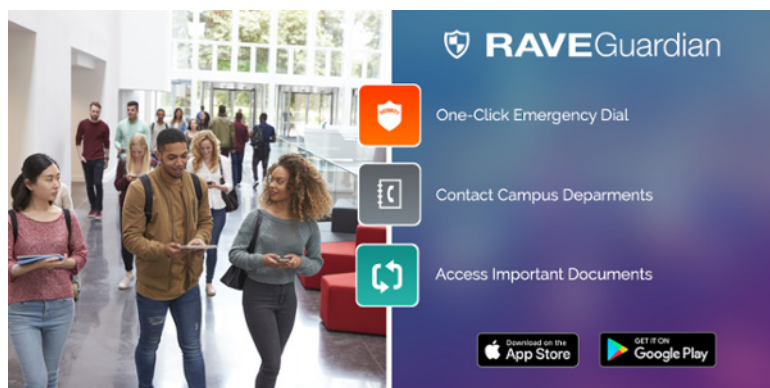
Classroom Preparation for Spring Semester

It is exciting to have Wayne Price, renowned wood carver on our campus sharing his traditional knowledge with students in form line design, toolmaking and carving and bending red cedar for bentwood boxes. Planning and discussion for the spring classes began last semester between Arts & Science faculty and staff and Facilities Services. The physical work for getting the classroom ready up to speed to teach carving, bending and toolmaking took place over the winter break. Seemingly small tasks, like having the appropriately sized dust collection equipment or the correct circuits for power and sound testing in order for the instructor to operate power tools, and other operations to effectively teach the NW Coast Arts class went through many discussions followed by research and planning and working with electrical and mechanical consultants. Of utmost concern for facilities was student safety and adhering to building codes.

The NWC Arts class is operating at full capacity and there is much interest in learning from Wayne Price and other traditional Native artists. UAS FP&C is excited to be part of planning for future growth of NW Coast Arts at the University level as the program is developed. *Pua Manu – UAS Project Manager*



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Rave Guardian App

Providing personal safety to our campus community is essential. We are always looking for ways to further improve the safety of our faculty, staff and students and feel the Rave Guardian app provides a great solution, improving communication across the community. This app is available now for all affiliates of UAS.

Some of the features that are provided with the Rave Guardian App include.

GEO located campus alerting - whichever campus you are located at in Southeast or even visiting the Fairbanks campus the RAVE Guardian app will allow you to receive real time local emergency alerts.

Safety Timer - RAVE Guardian lets users set a "Safety Timer" session. Once activated, "guardians" (friends or family) in their virtual safety network can monitor the user's status updates and location. — Guardians are automatically notified at assigned check-in times. If the timer expires or the user initiates a panic call, Rave Guardian automatically notifies their trusted safety resources.

Emergency Call Button - Through their mobile device, a user can send an alert to local police dispatch with one-click, automatically providing student information and GPS location.

Campus Information - UAS shuttle tracking, Facilities work orders, road conditions all that information and more is available at your fingertips. Simply click the Links button on your Rave Guardian cell phone app.

Rave Guardian, is a proven personal safety solution that is used on campuses around the country, and we are happy to provide that same resource here. The app can be downloaded at the App Store or on Google Play. **Also be looking to your email in coming weeks for more information about the RAVE Guardian app and how it can assist you in staying safe!**

Craig Cottrell – UAS Emergency Management Planner

Anchorage Earthquake

The University of Alaska Anchorage response after a 7.0 Earthquake damages 70 buildings and displaces students. On November 30, 2018, at 8:29 a.m. local time, a magnitude 7.0 earthquake struck north of Anchorage, Alaska. Initial communications for UAA were sent via phone, text, email and Alertus screen alerts. On-going communications included using text, email, the campus website and daily update videos from Chancellor Cathy Sandeen. Some of the challenges they faced are listed below.

Day 1 Challenges

- How bad is it?
- Where/how to focus our response teams?
- Keeping it human: Are our own homes and families taken care of?
- How to provide food for our response teams?

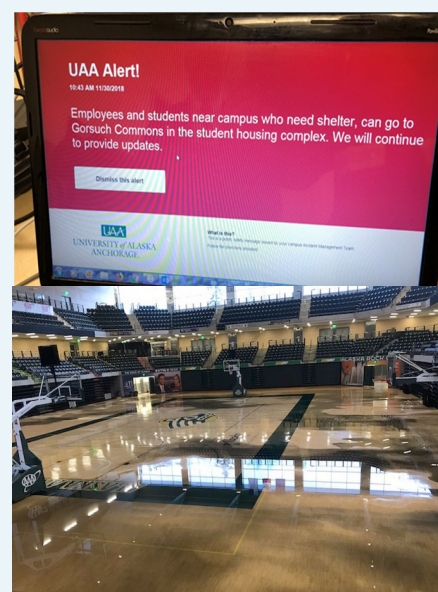
Establishing SMART Goals

- Structural Reviews of campus facilities
- Secure housing
- Secure heat to all buildings
- Stop leaks (HVAC/Plumbing/Fire Suppression)

As the days progressed they worked through other challenges including; safety, PPE, staying alert, sharing concerns, food for staff, finding resources, extremely small crews, concerns about aftershocks and ongoing safety of staff, and the best use of volunteers.

They continued to work through the problems and were able to overcome countless obstacles each day until they were able to reopen on December 5th, 2018. As they continue to recover they are including substantial work on incident response and improvement plans.

Here at **UAS** we are always looking for ways to further improve the safety of our faculty, staff and students. We are taking the lessons learned from Anchorage and are including them in our own emergency response plans, to ensure we are ready in the event we have to respond to a similar crisis. *Craig Cottrell – UAS Emergency Management Planner*



Northwest Coast Arts *continued from pg. 5*



I have to give some shout-outs to all those who have helped Wayne Price. Dan Garcia who has helped Wayne make sure our students are safe. Adam Zenger for coordinating with Wayne on several wood shipments to campus. Several Engineers, Architects and Contractors that answered our plea for fast track on designs and construction. Rick Caulfield and Michael Ciri for coming up with the money required to make the room

modifications on such a short notice. Pua Manu for here pushing through the bureaucracy in record time and filling in the gaps left by an abbreviated planning process. And to Wayne Price for his patience and decency in letting us help him navigate the complicated university process. Thank you all and we look forward to many more new and exciting projects coming from the NW Coast Arts program. *Nathan Leigh – UAS Facilities Director*

Safety Success Story

We received news of an office safety success story that must be shared.

After being prompted by the fire prevention week email regarding space heaters and power strips Michelle Warrenchuk, Administrative Assistant for the School of Arts & Sciences was determined to clean up her office space. In her words, “I got the power strips cleaned up under my desk and have downsized from 4 power strips to 2. I still have some space open on each strip and I have things that draw more power plugged directly into the wall outlet. And the second power strip is plugged directly into the wall outlet instead of another power strip.” Michelle also alluded to taking the opportunity to remove some “GIANT Dust Bunnies”, which also makes for a safer and healthier workspace environment. Her space looks great and is a perfect example of proactive safety. Great job Michelle! We encourage everyone to take some time and make their own workspace safer.

