

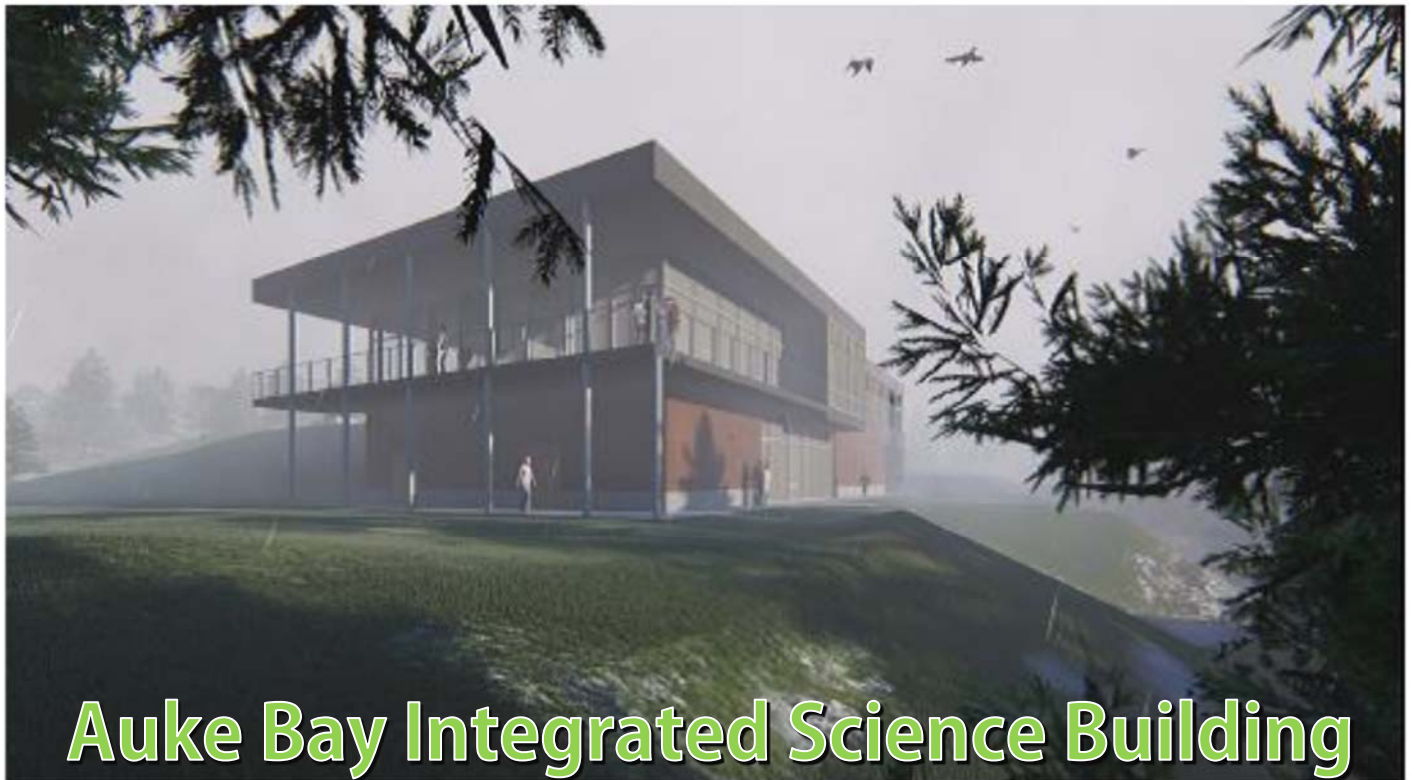
The Level



FACILITIES SERVICES

New Building - New Name

UAS will be starting construction of the new building next to the Anderson Building this spring. We have used several names for this building over the past 3 years from the time the Governmental Service Agency (GSA) made the property available in April 2016 through the demolition of the old NOAA building in October 2019. Today the new name is “Auke Bay Integrated Science Building”. We hope that the name changes again when one of you or your friends meets with UAS Development Office and places your name on this building. If you cannot afford a whole building name, there are several other naming opportunities for rooms, walls and patios.



1. Create a new home for teaching and research associated with UAS’ distinctive marine-oriented environmental and interdisciplinary science programs
2. Orient development closer to the Juneau Campus center
3. Increase efficiencies and reduce university building footprint
4. Capitalize on the availability of surplus federal property with exceptional ocean-front location

You can find more about this new facility on our Facilities Planning & Construction (FP&C) website.

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

HELP UAS SAVE MONEY – PHASE II



In the last edition of the UAS Facilities Newsletter I asked for your ideas on how we could save money. We received a lot of recommendations and I would like to thank all of those who took time to help us make our campus a better place to learn, work and live. All of the recommendations were appreciated. Many of them are things that Facilities Services is already doing; lots of them are of things that we hope to be able to implement in the near future; some of them will have to be postponed until UAS has more funds to invest into our facilities; and some are not under Facilities Services control, so we have passed them on to who has the most influence over implementing the recommendation. Please see page 11 of the newsletter for a summary of your recommendations and a link to a survey where you can vote for your top 5 ideas.

However, there are some comments that make me laugh because they remind me of my own ideas when I was first introduced to Operations and Maintenance (O&M) of a facility. I was 16 years old and my father gave me the keys to his 1962 Chevy ½ ton pickup and said “It’s all yours now.” I was the happiest kid in town that day and went straight to work Operating and Maintaining my truck. I spent all Saturday washing my truck, removing all of the layers of dirt and grime that had accumulated over the decades of my father’s use of hauling dirt, wood and the neighbors’ furniture. That night I filled up the tank with gas, picked up my buddies and spent the night dragging main. [Webster’s Dictionary: Dragging Main – the process where teen age boys and girls living in small towns in the western united states drive their car down main street until they reach the local burger joint where they turn around looking inside to see who is eating, and then drive up main street until they reach the local soda shop where they turn around looking in side to see who is drinking a soda. This process is repeated for several hours until they run out of gas money or reach their curfew time. Think of it as Snap-Chat of the 1980’s]



After several months of Operating and Maintaining my truck one of my buddies said I should do some Renovation & Renewal (R&R) on my truck. So I went to the local auto parts store and picked up the latest high tech, high deff, high cool, 8-Track tape stereo system. The next Saturday I spent taking out the old AM radio player and installing the new stereo. That night I picked up my buddies with their newly acquired 8-Track tapes of Earth Wind & Fire, REO Speedwagon and the Eagles. *(You may recall that I had spent all of my money on the stereo so I had no money for tapes).*

That first year, my version of Operation and Maintenance consisted of washing and waxing my truck, filling the tank with gas, and dragging main with my buddies. I thought we were the coolest kids in town. It wasn’t until the first snow storm that I was introduced to the concept of Deferred Maintenance (DM). With so much washing, waxing and buying gas, I had neglected to buy snow tires. It is very difficult to think you are cool when you are stuck on Main Street and there is a line of cars backed up behind you filled with your high school classmates who will tease you about this for the next 3 years.

Most of the important lessons of how to properly Operate and Maintain the facilities here on UAS campus--I first learned them from my 1962 Chevy pickup. I learned that appearance maintenance tasks like washing, waxing, cutting grass, planting flowers, and mopping floors are important. But, they are not nearly as important as all of the maintenance tasks that no one ever sees like changing the oil, replacing the brakes, greasing the joints and changing the filters. Here at UAS more than 70% of our Facilities Services O&M budget goes towards maintenance tasks that you do not see. These unseen maintenance tasks are what consistently keep the lights running on our campus, heat on, rain out, clean water coming in and wastewater going out.



One of the most important O&M tasks is keeping our UAS community safe. For my truck this meant studying the traffic laws and getting my driver's license, taking a defensive driving class, passing our state mandated 21 point vehicle safety check and preparing those items you hope to never use like a fire extinguisher, road flares and come-a-long winch to pull you out of a mud hole. For UAS this means teaching our community safe practices, installing warning signs, offering safety training classes, passing state mandated 1000+ point building safety checks, and preparing those items you hope to never use like fire alarms, sprinkler systems, back-up electrical generators, spare equipment parts and several emergency plans that can be found on our website.

http://www.uas.alaska.edu/facilities_services/emergency-management.html

It is easy to understand why a teenage boy would only perform the operation and maintenance tasks that are outwardly seen by his buddies while neglecting the more important unseen operation and maintenance tasks that will keep his truck running longer, more efficiently and even keep him and his buddies safe.



It is less easy to understand how adult building owners sometimes do not provide the proper operation and maintenance of their buildings. Especially since not providing the proper operation and maintenance on a building they will experience; increased equipment breakdowns, shortened facility lifespans, increased total life cycle cost, lower quality environment and in some cases a decrease in the safety of their building occupants.

We here at Facilities Services strive to be responsible stewards UAS facilities by keeping our facilities running efficiently, repairing them before they break down, upgrading to meet current building safety codes and lasting the full length of their normal service life.

I encourage each of you to also not just wash and wax your car, but to also put on good snow tires, change your oil and get your brakes checked each year. Take it from a much older and wiser teenage boy, it's not cool to get stuck on Main Street or not be able to stop on an icy road.

Nathan Leigh

UAS Facilities Director

Early Birds & Night Owls

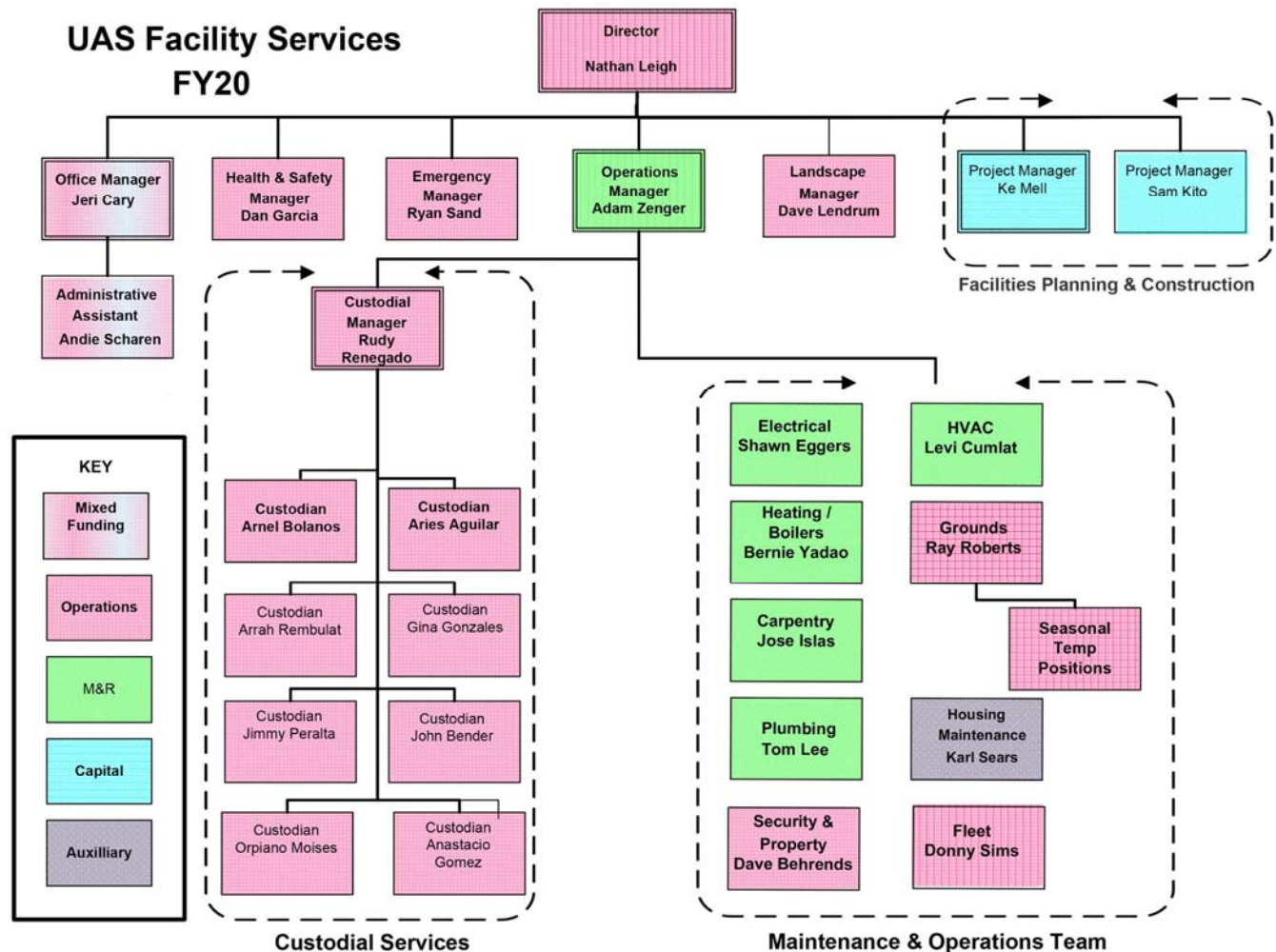


Did you know that many of our Crafts & Trades employees start their work day by 7 a.m.? This means they are usually off work by 4 p.m. When it snows, the Grounds crew starts at 4 a.m! If you have a work request for our crew, such as hanging up signs, changing light bulbs, or rekeying locks, please contact us early, before our birds fly the coop.

On the flip side... our custodians typically begin their shifts around 4 p.m. If you have an urgent clean-up situation, let us know and we'll do our best to send someone right away, instead of waiting for the regular custodial staff to arrive.

We are proud to say that between our Early Birds and our Night Owls, dedicated Facilities Services staff are working around the clock to keep our beautiful campus safe, clean, and well maintained. .

Facilities Services Depth Chart



Around 2 ½ years ago, I had the pleasure of interviewing for the job I hold today. One of the things that sticks out in my memory of that day is the campus tour I went on after the interview. During that tour, it quickly became apparent to me that the people tasked with the maintenance and operation of this campus have done a great job at keeping things looking good, and operating well. It came as a bit of a surprise to me that the team is largely one-deep when it comes to the tradespeople who are maintaining and operating our buildings.

While our Custodial and Grounds crews have nine and four people, respectively, our other trades positions are only staffed by one person per trade. We have one electrician, plumber, locksmith, heating specialist, HVAC specialist, carpenter, and mechanic to take care of keeping the lights and heat on, and the water running, amongst a long list of other things. At times, our crew members may need to change hats, and help out with tasks that they don't necessarily do on a daily basis. You may see our heating specialist helping our carpenter with a carpentry project, or our locksmith plowing snow. In many cases, that's what it takes to keep things running smoothly.

What this means to us is that sometimes it will take us a while to address non-emergent requests. If, for example, our electrician is busy dealing with an issue that may pertain to life or facility safety, you will likely need to wait a bit for him to change out a light bulb. While we enjoy being able to serve the campus community quickly, sometimes that's not possible, and we do appreciate your patience.

Adam Zenger
UAS Facilities Maintenance and Operations Manager

Hi All,

Cleaning Tornado

Do you ever get an idea, follow-up on it and find out it works better than you'd hoped?

As you know, our Sitka Art Room has been suffering from, what seems like a lot of additional clay dust, resulting in a dirty work area and possible health issues. We've researched a lot of things, spent time in the ducts, ventilation systems, and the ceiling without finding any obvious issues.

Cleaning, or a lack of consistency seemed to be the culprit.

This morning I took our new Tornado Shop Vac for a test drive and it was a great success.

The main idea is to swab the floor with a wet mop, loosening up the dried clay and dust, followed by a walk around with the floor squeegee on the vacuum, sucking up

all the nasty stuff. In fairly short order I cleaned a large portion of the floor. The Vac kit also includes hose, tubing, and additional squeegees and attachments. The time savings and ease of use will hopefully prove invaluable. Our previous cleaning methods included wet mopping, which leaves a residue, followed by time consuming efforts of flooding the floor and pushing the water with squeegees into the floor drains. That method resulted in drain backups, and sometimes flooding in addition to mucking out a catch basin. That amount of labor is just not practical nor enjoyable.

Take a look at the photos and you will see a clean and shiny floor in contrast to what it previously looked like.

I am a little embarrassed I didn't think of this sooner.

Greg George
Operations Supervisor
UAS Sitka Campus

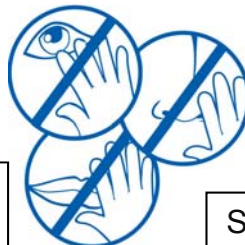


We Like to Share But NOT This

We all like to share things, good food, sage advice, life hacks and educational knowledge. However, none of us like it when someone shares their cold with us. The best way to avoid sharing your cold is:



Wash your hands frequently with soap and water for 20 seconds

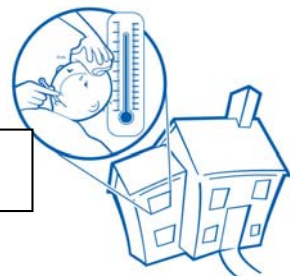


Avoid touching your eyes, nose and mouth



Cover your sneeze with a tissue or the crook of your arm

Stay home when you are sick.



Check out the Centers of Disease (CDC) for other good ideas.

<https://twitter.com/CDCgov>

New Emergency Management Planner:

Ryan Sand is joining the UAS Facilities Services from Phoenix, Arizona where he was a campus emergency manager, and more recently, a full-time professor. Prior to working in the university setting, Ryan served as a municipal law enforcement officer, academy trainer, utilities safety director, and fire department liaison.

He received his Master's degree in Disaster Preparedness in Executive Fire Leadership

from Grand Canyon University and a Bachelor's degree in Justice Studies from Arizona State University.

Ryan is very pleased to join UAS and has already begun working part-time. He will join us full-time in April.

Please feel free to contact Ryan anytime.

Ryan Sand
rgsand@alaska.edu



What to do in an emergency?

When emergencies take place on or near your UAS campus community, first responders may not always be able to reach you immediately. As a result, there are several simple life-saving steps that you can take on your own. In order to be prepared, you should:

- ☐ Think about the types of emergencies that could happen in your area and establish a basic preparedness plan for each.
- ☐ Always locate two exits in buildings that you frequent.
- ☐ At a minimum, have an emergency kit in your car and/or residence that includes water, any prescription medicine, a flashlight, whistle, small first aid kit, and other similar items to sustain you for three days.
- ☐ Think about how you will communicate with family and friends when cell phone and landline phone systems may be overwhelmed or inoperable.
- ☐ Keep a printed copy (preferably laminated) including phone numbers, email addresses, mailing addresses, and/or social media contacts, readily available.
- ☐ Store a battery backup for all your electronic devices.
- ☐ Keep some cash on hand.
- ☐ Consider taking safety classes such as CPR, first aid, self-protection, Stop the Bleed, etc., to enhance your emergency readiness.
- ☐ Visit <https://www.ready.gov/> or email the UAS Emergency Management Planner, rgsand@alaska.edu for more preparedness recommendations.

In addition to these recommendations, take a moment to view the following UAS Emergency Procedures Poster found in most conference and classrooms.



DIAL 911

POLICE | FIRE
EMERGENCY MEDICAL SERVICES

UAS FACILITIES SERVICES: (907) 796-6496
After Hours: 1-866-999-1822

EMERGENCY PROCEDURES

Campus emergency information will be initiated as soon as the situation allows. Communication utilizes a variety of methods, including text message, loud speakers, and the Informacast Campus Alert System:



DIAL 5500, then 54321# on any CAMPUS PHONE

CAMPUS EMERGENCY ACTION PLAN >



EVACUATION*

EVACUATE USING THE NEAREST EXIT
WALK, DO NOT RUN
DO NOT USE ELEVATORS
Take personal belongings if readily available (keys, wallet, purse, cell phone)
Follow directions given by campus officials
Go to designated evacuation point. Do not return to building until instructed to do so



FIRE

EVACUATE THE BUILDING, DO NOT USE ELEVATORS
Notify other occupants
Go to designated evacuation point. Do not return until authorized by emergency personnel
Fire extinguisher instructions if trained:
P Pull the pin
A Aim at base of fire
S Squeeze the handle
S Sweep from side to side



HAZARDOUS SPILL

If persons are in danger or injured, call 911
For non-emergency spills, contact UAS Facilities
Alert others and move away from spill hazard to a safe location
Follow directions given by emergency personnel
Notify emergency personnel if you have been exposed to or have additional information about the hazard



MEDICAL EMERGENCY

For all medical emergencies, call 911
Describe the nature and severity of the emergency to the dispatcher
Provide the location on campus
Keep the victim calm and comfortable
Provide basic First Aid/CPR/AED if trained
Report the injury to Health and Safety: (907) 796-6077



SUSPICIOUS PACKAGE

Do not touch or disturb
Notify supervisory personnel
Pay attention to surroundings for additional threats
Call 911, describe the object
Be prepared to evacuate



POWER OUTAGE

Remain calm, provide assistance to others
Move cautiously to a lighted area. Exits marked by lit signs
Turn off computers and other sensitive equipment
Prolonged outage?
Call UAS Facilities



ACTIVE SHOOTER*

RUN if there is an escape path to a safe location
Leave your belongings
HIDE if you cannot get out safely. Hide, lock, and barricade the doors. Silence your cell phone and stay quiet
FIGHT as a last resort, only if your life is in danger. Disrupt or incapacitate the active shooter by:
Acting aggressively
Yelling, throwing items, and improvise weapons
Commit to your actions



EARTHQUAKE

DROP, COVER and HOLD under a table, desk, or against an interior wall until shaking stops
Do not seek shelter in a doorway
Check yourself and others for injuries
Evacuate the building using the nearest exit
Move toward the safest location, away from buildings, trees, and power lines
Do not leave campus until you have reported your status to a supervisor, advisor, or instructor



SUSPICIOUS PERSON

You can offer assistance if appropriate; do not confront or let the person into a locked building
Move to a safe location if possible and call 911
Provide as much info as possible for responding police officers



SHELTER IN PLACE*

Stay in the building, close and lock doors and windows
Move away from windows
Do not use elevators
Remain in shelter area until emergency personnel announce it is safe

*Note: EVACUATION and SHELTER IN PLACE procedures are different for ACTIVE SHOOTER/VIOLENT INTRUDER

ACTIVE SHOOTER RESPONSE PROTOCOL
CAMPUS AND PERSONAL EMERGENCY PREPAREDNESS:
uas.alaska.edu/facilities_services/emergency-management.html



UNIVERSITY of ALASKA SOUTHEAST

UAS Emergency Management | (907) 796-6015

Behind the Scenes in the UAS Mail Room

You might recognize the friendly face of Joseph Veasey of Auke Lake Courier, who drives around campus doing mail pick-ups and deliveries. Do you ever wonder how your mail gets processed before Joseph makes the deliveries?

The mail room for UAS is located at Stover House, alongside Facilities Services staff offices. We receive US Postal Service mail, FedEx and UPS deliveries, and random shipments delivered by AML. Sometimes there's a lot going on over here!

Only one of these items did *not* come through the Mail Room recently. Can you guess which one? (Answer below)

- Biology lab animals
- Portable FAA test lab
- Uranium ore sample
- Homemade soup
- Baby trees
- Water heater
- Someone's military orders

We like puzzles, but no one likes spoiled soup! Please notify the Facilities Services office if you are expecting special deliveries, large shipments, or items requiring special handling. The information on the package is not always clear, and your heads-up could save a lot of time and confusion! Just drop an email to uas.facilities@alaska.edu, or call us at 796-6496.



Who Pays Your Postage?

UAS has a contract with the State of Alaska to process and meter our mail. We are billed each quarter, with the invoice broken down by "org"—that 5-digit code you write on your envelope or package before you send it.

When the bill arrives, admin staff at Facilities Services match up the charges to the funding lines on the purchase order, and send the invoice to the UAS Accounts Payable office to process payment.

You can help us by:

- Letting your departmental employees know what org(s) to use when sending mail
- Encumbering funds on the postage PO for the orgs your department uses
- Checking stationery/envelopes for outdated orgs, and recycling those no longer in use

Answer Mail Room Quiz: so far as we know, no one has shipped any uranium ore through the UAS mail room.

Answer to Last Edition's - Story Problem

How much of our one Electrician's time is spent changing light bulbs?

UAS Juneau Campus S.F.	347,000		
S.F. per Light Bulb	<u>36</u>	9,639	Light Bulbs on Campus

Hours Light is on per Day =	12	
365 days/year - 14 holidays - 56 weekends =	<u>295</u>	
		3,540 Hours / Year

# Hours Average light bulb lasts	10,000		
# Hours average light bulb is on	<u>3,540</u>	2.82	# Years light bulb lasts

# Light Bulbs on Campus	9,639		
# Years light bulb lasts	<u>2.82</u>	3,412	# light Bulbs to change each Year

# Minuets to change 1 light bulb	17	
# Light Bulbs per Year	<u>3,412</u>	

# Minuets changing per year	58,007		
# Minuets / Hour	<u>60</u>	967	# Hours changing per year

Standard # work hours / week	40	
# Weeks per Year	<u>52</u>	
		2080 Base Hours / Year

# Holidays / Year	11	
# Vacation Days / Year	14	
# Sick Days / Year	0	
# Hours / Work Day	<u>8</u>	
		1880 Net Work Hours / Year

# Hours changing Light Bulbs	967		
# Net Work Hours / Year	<u>1880</u>	51.42%	Percentage of our Electricians time changing light bulbs here on the Juneau Campus

Note: UAS spends a lot of time and money changing light bulbs. One of the main reasons we have been upgrading our lights to LED is because they last twice as long as a florescent light and 15 times longer than an incandescent light bulb. We are able to save UAS almost as much money in the labor required to change the light bulb as the money we save in the lower power consumption.

Snow Plow Kudos You talk about good customer serve and communication with other departments. Well at the end of shift I was telling Adam there are big piles of snow that will have to be moved. TEC being one of them. Well while driving home I saw a loader in TEC parking lot moving snow. So I stopped and there is Tom Dolan moving all the piles. I stopped him, just to tell him thank you. He found time to help us out. It is great that departments can work together. I was impressed enough that I felt like sharing. Have a good weekend.

January 19, 2019 - Ray Roberts – UAS Grounds Maintenance Manager

New Story Problem:

We use Scrubbing Bubbles to clean our restrooms and break rooms because it cleans well and kills both bacteria and viruses.

How many cans of Scrubbing Bubbles will we use each year?



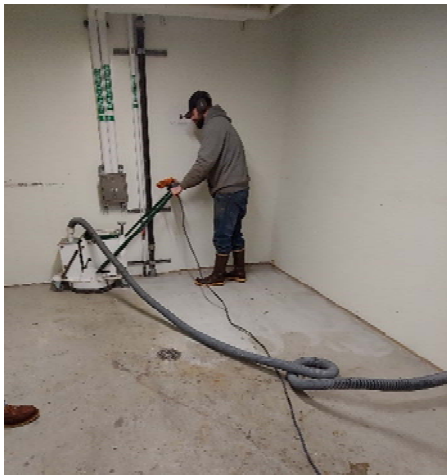
We have:

10 large restrooms with 75 s.f. of cleaning surface,
24 small bathrooms with 12 s.f. of cleaning surface,
9 break rooms with 6 s.f. cleaning surface.

All of the rooms are used 100% of the time during school days and 0% of the time during holidays.

During non-school days the large bathrooms are used 75% of the days while small bathrooms and break rooms are used 50% of the days. During weekends the 30% of the large bathrooms are used. One can of scrubbing bubbles will clean about 180 s.f. of surface.

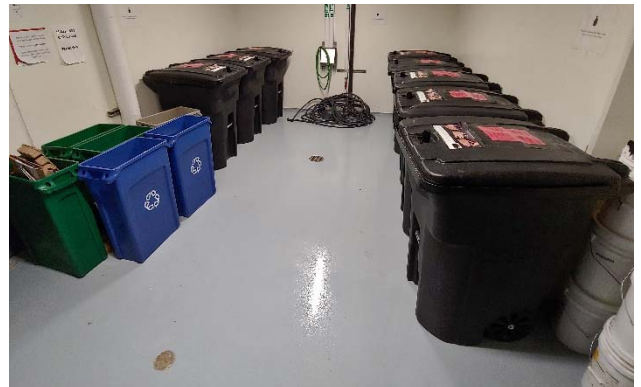
John R. Pugh Residence Hall - Trash Room Floor Coating



Preparing the Floor

The John R. Pugh Residence Hall has a brand new, easy-to-clean coating on the trash room floor. This small project began as a result of the trash room smelling bad periodically, and the difficulty that cleaning the floor posed. The old surface was pitted in places, so getting all of the gunk out of the nooks and crannies proved to be a challenge. Facilities Services relied on a local contractor to do the job, and we are pleased with the results.

Aside from a short weather delay, the work went smoothly, and we are considering having similar work done on at least one other floor.



Finished Product!

Adam Zenger
Facilities O&M Manager



Old Hot Water Tank

Banfield Water Heater Replacement

Last year, during a preventive maintenance inspection of the old Banfield water heater, some deterioration of the tank was found. The 23 year old water heater was showing signs of age, and it was determined that the tank should be replaced soon. We had a local engineer do the design work for us, and decided to perform the removal and replacement work in-house. Prior to removing the old tank, a temporary water heater was installed to provide hot water to the residents.

Once the temporary water heater was on line, the crew took on the difficult job of safely removing the old unit. With the old tank gone, two smaller water heaters were set in place, and our plumber, Tom Lee, began assembling the new plumbing for the water heaters.

With the plumbing ready to hook up, we took a voluntary delay until after finals. We wanted to disrupt as few residents as possible, so we thought this was a good decision. On December 17th, the temporary water heater was disconnected, and the new water heaters were hooked up to water and electricity, and commissioned.

This is one example of how we approach the replacement of old equipment. In some cases, we have the talent and time to do the work, and at other times, we need some help from local contractors. This time, we relied on a local engineer for design, and did the replacement work ourselves.

Adam Zenger
Facilities O&M Manager



New Hot Water Tanks

HELP UAS SAVE MONE – Survey Summary

You spoke, we listened.

We thank you all for your participation in our money saving ideas exercise.



Your Ideas that we are already doing	Your Ideas that you can do now.
<ul style="list-style-type: none"> • Install more LED lighting • Reduce total building space • Collaboration with UAF Fisheries established Nov. 2019- UAS manages maintenance of the Lena Loop Facility • System alerts were implemented October 2019 to increase productivity of marking and inventorying capital property • Egan thermostats are set to a lower temperature during the evening hours when the rooms are not occupied • Prioritizing capital projects by need and efficiency improvements to the Campus • Offer to name the new Auke Bay Integrated Scene building after someone who donates a large sum of money. • Replace soap dispensers so they don't leak all over the counter in a big mess. 	<ul style="list-style-type: none"> • Close the windows when it is cold outside • Shut down computers, printers, monitors, and other office equipment at night • Shut off lights at the end of business hours • Encourage local groups to use and rent UAS meeting space like the lecture hall, cafeteria, classrooms and REC center. • Repurpose old office furniture, partitions, computers, etc. • Be happy with the place you have

Some suggestions have already been implemented, some have been passed on to other departments, and we still have a great amount of feedback from you. Help us narrow down the options by picking your top 5 using the survey linked below.

https://docs.google.com/forms/d/e/1FAIpQLSdOfHNpiF7QakKD7V_MUmo9UC1BwZx2cZ_dhN_d2yGUo_sw8Q/viewform?usp=sf_link

Stay Safe All Winter

Stay safe all winter long by following these health and safety tips:

1. Be prepared at home

- Talk to your family about what to do if a winter storm watch or warning is issued. Discussing winter storms ahead of time helps reduce fear, particularly for young children.
- Have furnaces checked before winter to ensure they are working efficiently and safely.
- Pay attention to local news and weather reports. If you know of someone who may not be aware of weather warnings, including individuals with hearing loss, share the information with them.
- Create a cold-weather preparedness kit for your family that includes:
 - Candles and matches
 - Hand-cranked or battery-operated flashlight and radio
 - Cellular phone
 - Extra batteries
 - Blankets or sleeping bags
 - Extra clothing
 - High-calorie non-perishable food
 - Extra food and water for pets
 - First aid kits and any medications you require
 - Tool kit



2. Stay safe at home

- Heat your home with devices approved for indoor use, and ensure they are properly vented to prevent carbon monoxide poisoning or fires. Never use wood-burning or coal-burning grills, camp stoves, or other outdoor devices indoors. Remember to keep flammable materials such as newspapers or clothing away from portable heaters.
- Make sure that smoke and carbon monoxide detectors are working properly.
- Be prepared for power outages in your neighborhood. This can be due to wind or ice. Have blankets and warm clothing on hand to keep you warm. A preparedness kit is good to have around.

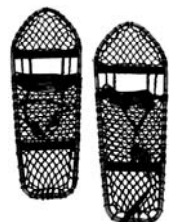
3. Stay safe outdoors



- When heading outdoors, let someone know where you are going and when you expect to return.
- Wear appropriate outdoor clothing and ensure that exposed skin is covered, including your fingers, nose, and ears. Keep children indoors.
- Be aware of the symptoms of both frostbite and hypothermia. Frostbite can occur within minutes when unprotected skin is exposed to very cold temperatures, causing the affected area to appear white or grayish-yellow in color and feel firm or waxy.

Hypothermia is life-threatening, and occurs when the body temperature drops too low, causing shivering, drowsiness, clumsiness and confusion. Both require immediate medical treatment.

- Try to avoid getting wet. Moisture can be very dangerous and speed up hypothermia. If you expect to get wet or sweaty, bring a dry set of clothing - especially a hat, gloves, socks and boots.
- Bring your companion animals inside and ensure trips outside are brief.
- Avoid alcoholic beverages. Alcohol causes the body to lose its heat more rapidly - even though one may feel warmer after drinking alcoholic beverages.



4. Stay safe when traveling

- Have a mechanic check your battery, antifreeze, wipers and windshield washer fluid, ignition system, thermostat, lights flashing hazard lights, exhaust system, heater, brakes, defroster and oil.
- Make a car survival kit that includes blankets, sleeping bags, extra clothing and high-energy foods.
- Ensure that your vehicle's fuel tank is at least half-full and make you have flares and a brightly colored (preferably red) cloth to tie to your antennae.

FP&C Project Updates

Auke Bay Integrated Science Building

(Formerly Auke Bay Station)

Chancellor Caulfield requested that the working name of the project be changed from Auke Bay Station to Auke Bay Integrated Science Building.

The project has been advertised for construction, bids are due in late February, with construction starting this spring, and completed by start of classes in August 2021. – *Ke Mell*



Housing Concrete Sidewalk Repair

This project replace some of the most deteriorated sidewalks around housing.

Construction expected spring 2020. – *Sam Kito*

Auke Lake Guardrails

The last edition of the Level mentioned that the summer of 2020 would see the second phase of guardrail replacement. Phase 2 has been deferred until funding allows. – *Ke Mell*



TEC Stairway Lighting Replacement

The fixture over the main stair was scheduled for installation over winter break, but due to the complex geometry of the fixture, we missed that window. Installation is now tentatively scheduled for spring break; if that time does not work, the fixture will be installed in May, after graduation. – *Ke Mell*

Sitka Exterior Door Replacement

This project will replace all the exterior doors on our Sitka Campus. The project is now



under construction. However, there have been delays in getting the doors manufactured. We appreciate Sitka campus continued patience. – *Sam Kito*

Soboleff Ceramics Room Garage Door Replacement

This project will replace the garage door with a glass wall and electronic locking exit door. This will increase the security of the building, allow more light into the room and improve energy efficiency. The project is now out for bids and construction will start this summer. – *Sam Kito*

Mourant Building Kitchen Exhaust Fan Replacement

Mourant building Kitchen exhaust fan and Heat Recovery Unit (HRU) has become a significant maintenance concern with regular failures of the HRU that results in excessive maintenance attention in order to keep the HRU operational. A condition assessment and options analysis completed on the system and found the fry grill exhaust fan HRU is not working properly, does not meet required code, and needs to be replaced.

The current project will provide for the replacement of the grill exhaust fan and heat recovery system, upgrading the ducting and integrating the updated system with the current building automation system. –



Figure 3: HRU washdown section showing clean coil.

Other FP&C Projects

With the cut to Facilities budget we have fewer projects and smaller projects. Here are some of the projects we hope to complete in the coming year.

- Egan Library patch holes in carpet
- Housing sidewalk icing mitigation
- Hendrickson to Hendrickson Annex Sidewalk Improvements
- Install LED lighting in the Writing Center
- Install LED lighting in the Novatney Entrance
- Install a couple bike racks