
SUBJECT	Sustainability June Report
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DESCRIPTION & RATIONALE N/A

BENEFITS N/A
Reputational,
Financial,
Sustainable, Social

RISKS N/A
Financial,
Operational,
Reputational

COSTS N/A
Financial,
Resources, Lifecycle

TIMELINE N/A
Implementation
Timeline

CONSULTATION N/A
Internal & External
Groups

ATTACHMENT #1 – AMS Sustainability June Report



ams
SUSTAINABILITY

Sustainability Priorities June 2020 Update

June 24, 2020

Prepared by

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Introduction

AMS Sustainability is excited to be able to present to you our initial vision for AMS Sustainability for the 2020/21 year. We've been working incredibly hard on identifying priorities for the AMS, as well as setting the stage to continue ensuring that the AMS is a leader when it comes to sustainable practices.

We appreciate you taking the time to review this document, and hope you share our vision for an AMS that continues to set the pace for a sustainable future.

For the 2020-21 year, AMS Sustainability plans on focusing on six key target areas which are identified and defined within the newly implemented AMS Sustainable Action Plan (ASAP). Each target area is supported with several action items for each to ensure AMS provides the greatest potential for meaningful and sustainable impact.

Facilities Operations

- SEEDS Sustainability Projects
- AMS Net Zero 2030

Business Operations

- AMS Zero Waste Food Ware Strategy
- Drinkfill: Zero Waste Beverage Refill

Advocacy & Leadership

- AMS Sustainability Symposiums

Student Services

- AMS Interactive Sustainability Center (ISC)
- AMS Thingery
- UBC Food Security Initiative

Campus Coordination

- AMS Sustainability Communications
- UBC Sustainability Ambassadors Conference

Indigenous Coordination

- AMS Sustainable Action Plan (ASAP) 2.0

Action Items

SEEDS Sustainability Projects

Overseen by the AMS Sustainability Projects Coordinator, AMS Sustainability has a memorandum of understanding with the UBC SEEDS (Social Ecological Economic Development Studies) Program where we collaborate on a variety of AMS Sustainability Projects. They are first proposed as ideas and then brought to life through the AMS Sustainability Projects Fund.

A list of projects we are hoping to work on this year are follows:

Project Name	Project Description	Project Status + Next Steps
U-Square Mobile	<p>An interactive wind turbine that educates students on renewable energy sources.</p> <p>In 2019, we worked on phase 3 of the project which was the internal wirings and installation outside of the Nest ground level. This was accomplished through a Capstone Project in the Electrical Engineering Program.</p>	<p>Project Status: Installation Needed</p> <p>The AMS Sustainable Project Coordinator will coordinate with students from the ECE Capstone Project to retrieve the physical prototype and finish installation</p>
Waste Scale	<p>A previous SEEDS project that allows AMS Nest to track daily waste output. The purpose of reinstalling the Waste Scale is to track the Nest waste output for the AMS Sustainable Action Plan (ASAP).</p>	<p>Project Status: Installation Needed</p> <p>Reinstall the Waste Scale and get it running. There is a delay in reinstalling due to zero funding or procedure to old projects out of commission.</p>
Revolving Gardens	<p>A sustainable art piece near the Great Hall in the Nest. The gears fell off the railing and required a lift and a technician to fix it.</p>	<p>Project Status: Maintenance Needed</p> <p>The AMS Sustainable Projects Coordinator will follow up on the lift and posting for outsource work on the maintenance.</p>

Runoff	A sustainable art piece near the Pie R Squared. in the Nest. The gears fell off the railing and required a lift and a technician to fix it.	Project Status: Maintenance Needed The AMS Sustainable Projects Coordinator will follow up on the lift and posting for outsource work on the maintenance.
Dashboard	The Dashboard is meant to be an interactive tech piece for students to interact with. It is connected to sensors in the AMS to display input and output information.	Project Status: Installation Needed The Dashboard is currently disconnected and will be implemented in the Interactive Sustainability Center (ISC) and the AMS Sustainability Website.
Waste Hub	A Waste Hub within the Nest has been a strongly desired project by the UBC community. The Hub allows the public to recycle hard-to-recycle materials such as e-waste, batteries, soft plastics, etc	Project Status: In Proposal Stages The AMS Sustainable Projects Coordinator will pitch this idea to the SEEDs team to begin collaboration and discussion on this project.

AMS Net Zero 2030

AMS Net Zero 2030 is an additional guideline roadmap that would be added to the AMS Sustainable Action Plan (ASAP). Net Zero’s definition is given to a zero-energy building, where the facility has zero net energy consumption, meaning the total amount of energy used by the building on an annual basis is equal to the amount of renewable energy created on site. Although AMS Nest is already LEED Platinum Certified, AMS Sustainability believes in further reducing the Nest’s environmental impact by pushing the boundaries of innovation at UBC

AMS Sustainability currently sits on the UBC Climate Action Plan 2030 committee. Our AMS Net Zero 2030 strategic guideline would path specific AMS action items within the ASAP in the span of the next 10 years to ensure that AMS reaches the 1.5° UN Paris Climate Agreement.

AMS Net Zero 2030 objectives includes:

1. Define additional targets and actions for GHG reductions from 2020-2030
 - a. Invest in a large-scale solar panel capital project
 - b. Conduct annual reports on AMS carbon emissions
 - c. Collaborate with SEEDs on further student-led research projects
2. Widen AMS Sustainability's scope to include areas of influence extending beyond AMS operations, such as commuting, food, waste, material, and paper
3. Map out a process and pathway to achieve 2030+ goals and targets

AMS Zero Waste Foodware Strategy

Aligning with the UBC Sustainability strategy, Zero Waste and Foodware Innovation is a guideline within the AMS Sustainable Action Plan (ASAP). The implementation plan aims to support AMS Business Operations transition away from single-use items and towards reusables to support a circular economy.

Our action items in regards to the Zero Waste and Foodware Innovation include:

1. Reimplement mugshare (discontinued due to product error)
2. Collaborate in a campus-wide containershare program with the UBC Food Systems Project
3. Implement \$0.10 fee for single-use cutlery in 2021
4. Implement custom ChopValue chopstick collection bins around Honor Roll and Grand Noodle Emporium

Drinkfill: Zero Waste Beverage Refill ASAP GOAL

Drinkfill is a zero-waste beverage station that students use to refill their reusable containers with upscale beverages such as kombucha, nitro cold-brew coffee.

- Free for partners, 20% profit share
- Average price is around \$3.50 or so
- Features: self cleaning, COVID-safe materials, soon a mobile experience to enable touchless

A successful test pilot was placed in the UBC CIRS building, AMS Sustainability hopes to implement Drinkfill within AMS Nest by 2021.



AMS Sustainability Symposiums

AMS Sustainability Symposiums are monthly public meetings where AMS Sustainability discusses updates with AMS clubs and constituencies.

The goal of these symposiums include:

- Update the general public on AMS Sustainability goals, action items, and monthly progress
- Foster collaboration between AMS sustainability clubs and constituencies in campus-wide events and projects
- Educate AMS sustainability clubs and constituencies on a variety of topics such as the AMS Sustainable Projects Fund, Food Security Initiative, etc
- Provide opportunity for the general public to speak up on campus sustainability concerns and observations
- Provide support for AMS sustainability clubs and constituencies to keep them accountable on ASAP's goals

AMS Interactive Sustainability Center



The Interactive Sustainability Centre (ISC)'s predecessor was the Student Life Sustainability Centre (SLSC) which is now the new Clubs and Resource Centre. The ISC is a hub for students to foster sustainability. The project was discussed throughout last year and took off in January. Along with the PLAN 522 class, we conducted two focus group interviews to find out the best programming and design for the space.

In January 2020, Michael Kingsmill, the head design lead at AMS drafted potential renderings of the ISC. Our next steps would include conducting a final consultation with student groups on potential programming.

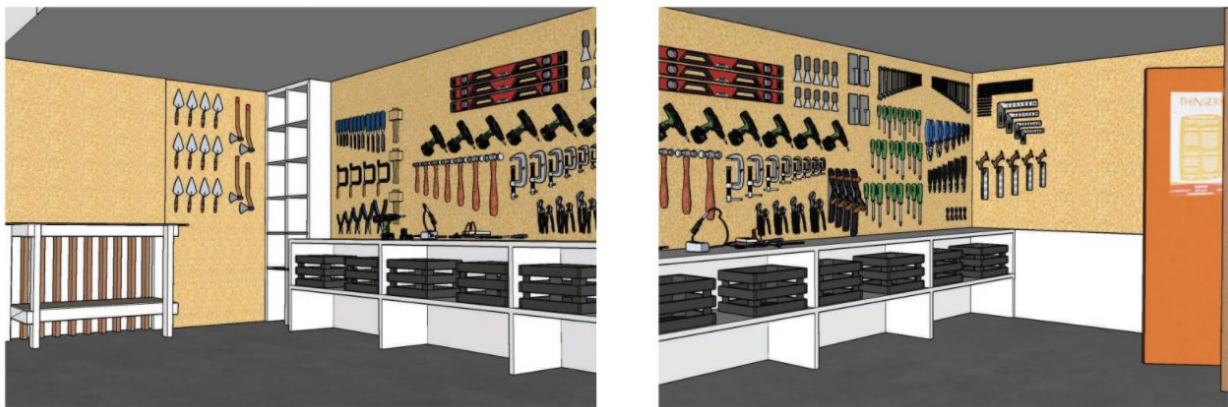
Some options we are looking at include a sustainability consulting space for the UBC Sustainability Ambassadors, workshop location for the UBC Climate Hub, and discussion opportunities for the UBC SDG Alliance. We hope this project can be complete by January 2021.

AMS Thingery

Proposed to open beside the AMS Interactive Sustainability Center, AMS Thingery is a community owned lending library of things. Acting similar to a library, the Thingery is self-service where students can check things in and out at their convenience.

Possible inventory can include: recreation equipment, woodworking tools, event & entertainment decor, household appliances, and musical instruments.

AMS Thingery offers a simple and convenient way to start a lending library of things in the UBC community. We hope the Thingery can promote the act of reusing, avoiding the life cycle emissions and avoiding waste in our communities.



UBC Food Security Initiative

AMS Sustainability collaborates with the UBC Food Security Initiative where we promote food security solutions through cross-campus, regional, and national collaboration and inclusive, student and faculty-led research opportunities. Our partnership aims to create sustainable solutions to further policy and advocacy work and practices as part of our effort to transform food and social systems here at the AMS.

This year we would like to establish a Food Security guideline within the AMS Sustainable Action Plan (ASAP) to support the reduction of food insecurity at UBC by 2025. The goals that outline this guideline includes:

1. Deepen our understanding of food security within the University context
2. Alleviate immediate pressures of food security and enhance community food security at UBC (e.g. AMS Food Bank)
3. Foster knowledge exchange and advocacy efforts within AMS and beyond

AMS Sustainability Communications

There has been a lack of communication, marketing, and digital communication between AMS Sustainability and the student body. This year we hope to revamp the AMS Sustainability website to be a digital resource hub for students to visit. Being more interactive, the website will also see new additions including a list of AMS Sustainability clubs and constituencies, on-campus opportunities, and an overview of the AMS Sustainable Action Plan (ASAP).

We are currently in discussion on the possibility of opening up a respective AMS Sustainability Facebook page and Instagram account. Having specific social media pages for AMS Sustainability allows us to share our current projects and progress on a frequent basis. Furthermore we are able to share the projects of AMS Sustainability clubs and constituencies to encourage participation within our student body.

UBC Sustainability Ambassadors Conference

An AMS Sustainability Conference was proposed last year as an alternative to the Climate Art Competition. Case competition participation has greatly increased over the years at UBC, the purpose was to introduce students to solve real sustainability problems related to UBC.

This year we will be collaborating with the UBC Sustainability Ambassadors with their annual Sustainability Ambassadors Hackathon. Our participation includes funding, judging, and providing resources to the Ambassadors. Last year, the proposed case was to create a program that could track the Nest's data to improve metrics and goals which we hope to continue with moving forward.

AMS Sustainable Action Plan 2.0

Although the policy is set to be reviewed in 2023, our team believes that a few additions are necessary moving forward. Proposed additions set for 2021 implementation include:

- Inclusion of a completed Indigenous Coordination section
- Inclusion of a detailed overview of the Student Driven Sustainability Strategy (SDSS) and Lighter Footprint Strategy (LFS)
- Inclusion public hyperlinks of the resources listed throughout the Action Plan
- Implementation of a Food Security and Net Zero guideline
- Address the SDG framework and it's history of promoting colonial systems