

12-2016

Sustainable Dorm Display

Salix Sampson

Grand Valley State University, sampsosa@mail.gvsu.edu

Jaclyn Ermoyan

Grand Valley State University, ermoyanj@mail.gvsu.edu

Teresa Huynh

Grand Valley State University, huynhte@mail.gvsu.edu

Jessyca Stoepker

Grand Valley State University, stoepkej@mail.gvsu.edu

Amber Tillman

Grand Valley State University, tillmaam@mail.gvsu.edu

Follow this and additional works at: https://scholarworks.gvsu.edu/ens_undergrad



Part of the [Education Commons](#), and the [Environmental Sciences Commons](#)

ScholarWorks Citation

Sampson, Salix; Ermoyan, Jaclyn; Huynh, Teresa; Stoepker, Jessyca; and Tillman, Amber, "Sustainable Dorm Display" (2016). *Environmental and Sustainability Studies Undergraduate Projects*. 13.
https://scholarworks.gvsu.edu/ens_undergrad/13

This Open Access is brought to you for free and open access by the Environmental Studies at ScholarWorks@GVSU. It has been accepted for inclusion in Environmental and Sustainability Studies Undergraduate Projects by an authorized administrator of ScholarWorks@GVSU. For more information, please contact scholarworks@gvsu.edu.

Sustainable Dorm Display

Jaclyn Ermoyan
Teresa Huynh
Salix Sampson
Jessyca Stoepker
Amber Tillman



Overview

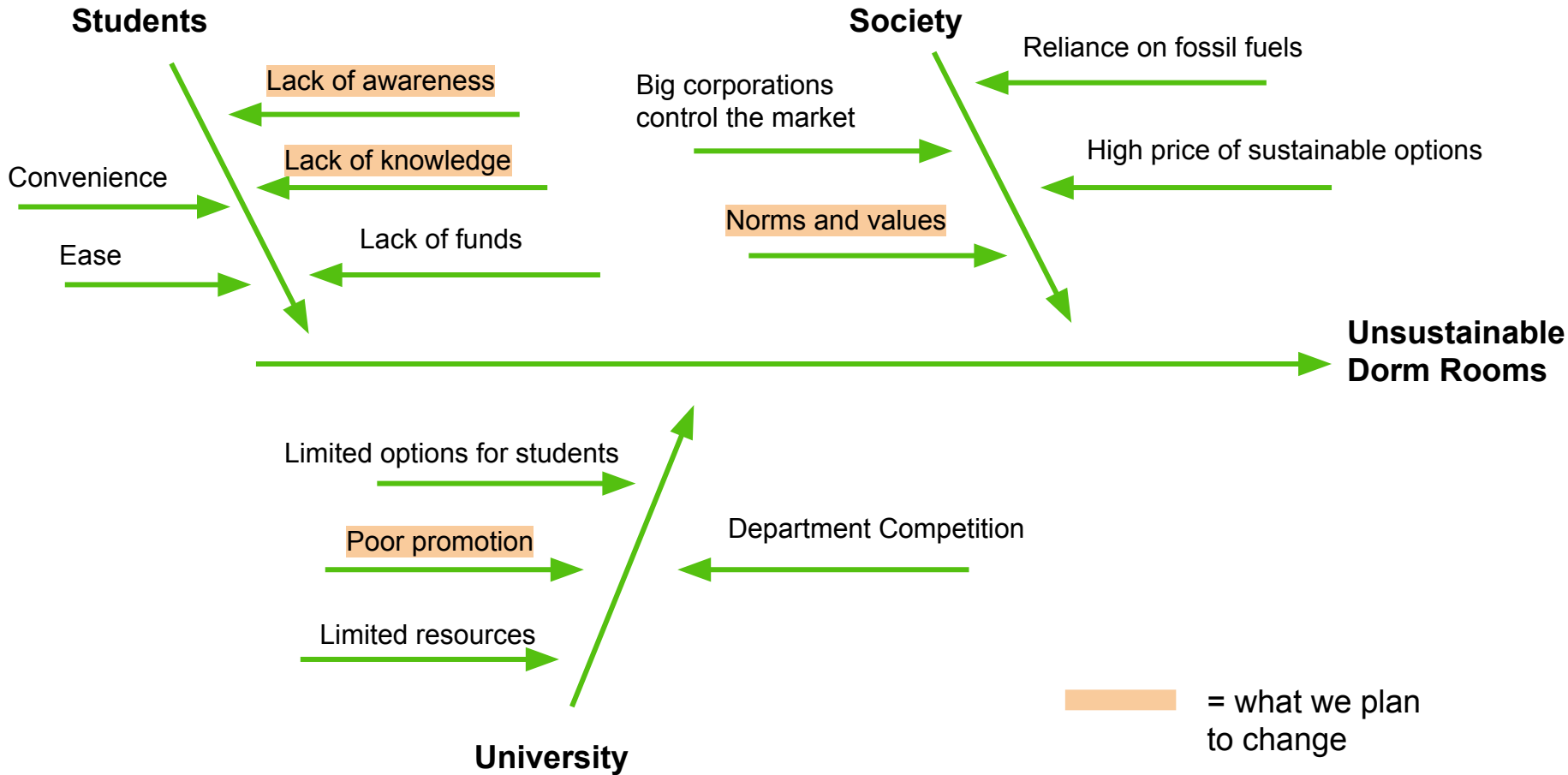
- Sustainable dorm room to educate students on how to live more environmentally friendly on campus
- MIP Library Exhibition Space



Why we decided on our idea

Problem statement: GVSU students need a practical model to learn how to live sustainably on campus.

Why: To have an **interactive** and **hands-on** way to inform students of ways to be environmentally friendly while living on campus



Research

- MIP Exhibition Space
- Observational
 - Friend's dorms
 - Friend's apartments
- Our own experiences
- Similar models



Items we WANT to include



Using Brita Filters is one way students can reduce the amount of plastic bottles that end up in landfills



LED christmas lights if the room must be lit at night



Unplug those electronic devices or use a powerstrip!



Items we DO NOT want to include



About 13 billion Keurig K-cups pollute the planet



+



Using central air conditioning and a fan at the same time



Similar rooms that exist - Duke University



http://sustainability.duke.edu/campus_initiatives/buildings/GrnDrmRm.html

Link to Pinterest board for more ideas

<https://www.pinterest.com/ermoyan/ens-201/>

Deliverables

1. Visible, interactive display
2. Promotion materials
3. Informative materials posted in/around display
4. Take-home handouts or brochures for students
5. Webpage linked through Office of Sustainability & Housing that remains up for current dorm display as well

USC SUSTAINABLE CAMPUS HOUSING: JUST THE FACTS

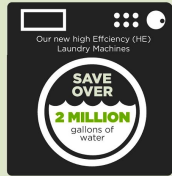
WATER SUSTAINABILITY

Installed 71 fill stations that supply drinking water keeping



808,335
disposable plastic bottles out of landfills

Over **1200** dual flush toilets were installed
3.7 MILLION gallons of water saved per year



FUN FACT
Shorten your Shower by **2 MINUTES** and you can cut your Water Use by 10 Gallons

ENERGY SUSTAINABILITY

Replacing Old, Inefficient Lighting Fixtures with LED



Of Energy-Savings Per Year



640 AC UNITS have been recycled and replaced with energy efficient models



RECYCLING



High Density Plastic Garbage Bags Result in a Reduction of



Green Dorm Checklist

active

For exercise clothing and gear, seek sustainable and eco items that lessen impact on the earth.

- Socks (EcoWool, Tees Soles, Zions)
- Athletic Shoes (Alomart, New Balance, Brooks, Pangaia, Kava, Planet Shoes, Kigi)
- Flip Flops (Patel Group, PooderPop)
- Legwarmers (LaggyWorms, Arisan Socks)
- Leggings (Puka, Clearwater, Pat, Gaiam, Onipip, and Power)
- Tees (Puka, Loomstate, Maggie's Organics)
- Workout Clothing (Puka, Gaiam, Maudsley, Moving Comfort, Rangeland, An Sport, Pangaia)
- Linford (Trenswear, Gaiam)
- Sports Bra (Alomart, Comfort, Pangaia)
- Gym Bag (Gaiam)
- Sports Socks (Gaiam, Alomart)
- Hood Goggles (Cove)
- Bike Helmet (Cove)
- Bike Seats (Cove)
- Bike Basket (Cove)
- Bamboo Skateboard (Gaiam, Gaiam, Gaiam)
- Yoga Mat Bag (Puka, Gaiam, Maudsley)
- Yoga Mat (Gaiam, Maudsley)
- Yoga Block (Gaiam)
- Yoga Mats (Gaiam, Maudsley)
- Swimsuits - Women (Puka, Tees, Pangaia, Kigi, EcoWool, Huxley)
- Swim Trunks - Men (Puka)
- Board Shorts (Pangaia, Huxley)
- Sunhat (Puka, Huxley)

bath

Remove harmful chemicals from your bath routine. Switch to organic, earth-friendly products.

- Towels (Portico for Bed and Bath & Beyond, Coyuchi, Gaiam)
- Bath Mat (Gaiam, Lark's End, Coyuchi)
- Shower Curtain (Pangaia, Green Home)
- Curtain Liner (Gaiam)
- Shower Filter (Pangaia's)
- Laundry Hamper (Eco-Tote, Container Store, Sals Beezy)
- Loofah Sponge (Puka)

body

Choose sustainable, natural, and organic body products instead of conventional laden with toxins.

- Deodorant (Aubrey, Hourai, Aja)
- Shampoo & Conditioner (Hourai, Aubrey, Green Essence, EO, Nourish, Lush Moon)
- Hair Styling Gel (Aubrey, EO, Desert Essence)
- Hair Brush (Bain Wood)
- Toothpaste (Desert Essence, Jason Natural)
- Toothbrush (Desert Essence)
- Mouthwash (Desert Essence, Desert Essence)
- Dental Floss (Desert Essence, Nourish)
- Skin Care (Aubrey, Hourai, Lush, Essense, Aja, Aubrey, Hourai, Lush, Jason, EO)
- Facial (Aubrey, Pangaia)
- Bleemish Control (Aubrey, Hourai, Lush, Jason, EO)
- Bar Soap (Aubrey, Hourai, Lush, Aubrey, EO)
- Shower Gel/Liquid Soap (Dr. Bronner's, Hourai, Vermont Soap, Desert Essence, EO)
- Hand & Body Lotion (Dr. Bronner's, Aja, Hourai, Desert Essence, EO, Hourai, Aulia)
- Shave Cream & Gel (Dr. Bronner's, Aulia, Pacific Shaving Co.)
- Razor (Desert Essence)
- Hand Sanitizer (Dr. Bronner's, EO)
- Sunscreen (Desert Essence, Aubrey, Jason, Dr. Bronner's, Hourai, Aubrey)
- Lip Balm (Dr. Bronner's, Aubrey, Jason, Desert Essence, Pangaia)
- Make Up (Aubrey, Aubrey, Jason, Hourai, Lush, Aubrey, Aja, Hourai, Lush)
- Lip Gloss (Aubrey, Aubrey, Jason, Hourai, Lush)
- Cotton Balls, Pads & Swabs (Desert Essence)
- Makeup Remover (Dr. Bronner's, Jason, Hourai, Lush, Aubrey, EO, Hourai)
- Makeup Bag (Aubrey, Hourai, Lush)
- Cosmetic Brushes (EcoToys)
- Nail Polish (AquaNova Polishes, Puka, Hourai, Lush, Aubrey, EO)
- Tampons - Pads (Pangaia)
- Intimate Wipes (Hourai)

clean

Use effective cleaning products made of non-toxic, biodegradable, and renewable resources.

- All Purpose Household Cleaner (Dr. Bronner's, EO Products)
- Bleach (Desert Essence, Vermont Soap)
- Laundry Detergent (Desert Essence, Green Essence, Jason, Hourai)
- Non-Chlorine Bleach (Desert Essence, Eco-Friendly Products, Green Home)
- Dryer Balls (Woolies)
- Iron Am. (EcoWool)
- Toilet Bowl Cleaner (Desert Essence, Jason)
- Glass & Surface Cleaner (Desert Essence, Vermont)
- Disinfectant (Desert Essence, Green Home, Jason, Hourai)
- Wipes (EO Products, Desert Essence)
- Hand Sanitizer (EO, GreenHome, Dr. Bronner's)
- Trash Bags (The Bag, Seventh Generation)
- Vacuum (Dirt Devil, AccuCharge)
- Scented Candles (Hourai)
- Sponges (EcoToys)
- Dish Towels (EcoToys, Casabella)
- Dish Towels (EcoToys, Casabella)
- Microfiber Dust Cloth (Casabella)
- Reusable Towels (Green Home, Hourai, Lush, Aubrey, EO)
- Reusable Towels (Pangaia, Hourai, Lush, Aubrey, EO)
- Toilet Paper (Desert Essence, Hourai, Lush, Aubrey, EO)
- Bucket (Casabella)
- Spray Bottle (Casabella, Container Store, Hourai)
- Compost Pail (EcoToys, Hourai, Lush, Aubrey, EO)

sleep

Opt for organic cotton linens, free of toxic chemicals - healthy for you and the planet.

- Mattress (Eco, Lush, Casabella, The Urban Shop)
- Pillow Top (Eco, Lush, Casabella, The Urban Shop)

Examples of Deliverables



Advantages and Limitations

- Disadvantages to our plan
 - Sustainability showcase room in South E
 - Underutilized
 - Did not come up during initial research
 - Relatively unknown, even among ENS faculty
 - Materials & Cost
- Advantages to our Sustainable Dorm Display
 - Easily accessible in MIP library exhibit
 - Increase awareness of previous display/efforts
 - GVSU would continue to improve its “green” appeal in media

Stakeholders

- GVSU community
 - Students
 - Faculty/Staff
 - Departments
- Meijer
- Local businesses



Budget

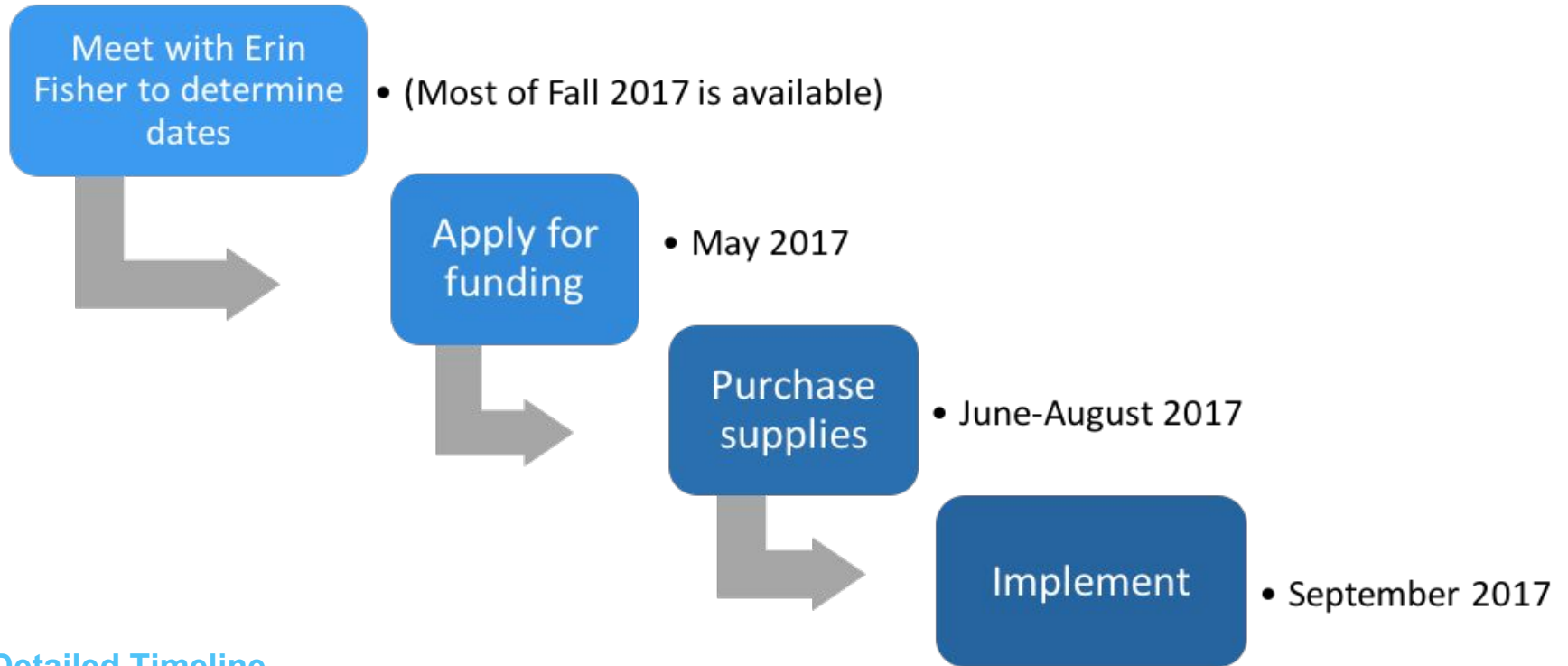
Sustainability Reinvestment Fund-

- “The goal of the fund is to support projects that can be replicated across the university, working in support of GVSU's goal of becoming a national leader in sustainable practice. Projects will be screened through an application process and a final report is required.”
<http://www.gvsu.edu/sustainability/sustainability-reinvestment-fund-233.htm>
- Applications are received on a rolling basis

P3 Applications Open in December

- It's the 14th annual People, Prosperity and the Planet (P3) Student Design Competition! Under P3, college teams apply for grants to develop and display innovative solutions for a sustainable future. P3 offers students quality hands-on experience that brings classroom learning to life. The application period will open in early December.
- <https://www.epa.gov/P3>
- <https://www.youtube.com/watch?v=URGEUcDtaMA>

Timeline



[Detailed Timeline](#)

Next steps

- Meet with Erin, Yumi, and Housing
- Estimate project total costs & apply for funding
- Determine definite dates for exhibit
- Secure, purchase, and organize materials
- Create ways to promote space and handout information
- Collaborate & create a webpage that links to Sustainability and Housing departments

Thank you!

Any questions?

Contact:

Jaclyn Ermoyan

ermoyanj@mail.gvsu.edu

(586)438-0224