Shifting the Paradigm
Transforming Waste Disposal Systems
UCLA – A Small City

- 419 acres, 25M sq/ft main campus
- Two (or six) hospitals
- 5000 lab assigned spaces
- 13.5k+ beds on campus
- 45k+ students (highest applicant rate in the country!)
- Daily population of 80,000+ people… All potential change agents
A Very Decentralized Campus

North Campus

South Campus
GOAL: Zero Waste by 2020

Zero Waste = > 90% trash away from landfill

Reduce
Minimize waste from the source

Reuse
Use available materials over and over again

Donate
Distribute usable materials to others

Recycle
Turn old materials into new materials

This is a UC Wide policy!!

- Green building
- Clean energy
- Transportation
- Climate protection
- Operations
- Waste reduction/recycling
- Purchasing
- Foodservice
- Water
The Road to Zero Waste
What’s in the Pilot?

- Centralized Tri-Stream Waste Bins
- Color Coded Liners

- That’s… it??
<table>
<thead>
<tr>
<th>Stakeholders</th>
<th>Primary</th>
<th>Secondary</th>
<th>Tertiary</th>
<th>Accidental Quaternary</th>
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</thead>
</table>
| **Primary**  | Building Operators  
  • Coordinators  
  • AVCs & Deans  
  Campus Services  
  • Facilities Management  
  • PMs | Building Occupants  
  • Academic Departments  
  • Sustainability Committees | 3rd Party Vendors  
  • Caterers  
  • Suppliers | Fire Marshall |
| **Tertiary** | Students  
  • Individuals  
  • Organizations | Outside Influences  
  • Visitors & Parents | | Protected Classes  
  • ADA  
  • LGBTQ+ |
Pilot Buildings

• Institute of Pure & Applied Mathematics (IPAM)
  • First Zero Waste Building on campus
• Institute of the Environment & Sustainability (IOES)
• Facilities Management
• Powell Library
• Young Research Library
• Haines Hall
• Small Volunteer Departments

• School of Nursing (in two weeks)
Challenges

• Custodial & Grounds Department merges
• Custodians hiding recycling bins and “mixing” waste
• Clutters of various waste receptacles in hallways
• Overall confusion of recycling program
• Massive amounts of waste throughout campus
• “Future-proofing”
• Communication
  • Mass hysteria
  • Cease and desist (oops)
• Logistics
  • Where do we start?

That’s just a bucket
Training, Training, and more Training

• All 400+ Custodians and 70+ Grounds members trained
• All 10 Trade Shops trained

• Trash Talks and Open Houses with Kikei for interested and transitioning departments
Building Occupants are responsible for their own waste sorting!
One towel is enough:

Shake
Take
Fold

Shake hands 10–12 times to remove water.
Take one paper towel from the dispenser.
Fold paper towel in half and dry hands.

Millions of tons of paper towels go to the landfill every year in the United States...
... at UCLA, we make sure our paper towels are repurposed through composting.

PAPER TOWELS ONLY

At UCLA, we make sure our paper towels are repurposed through composting.

UCLA, reduce. Be a part of the solution.

Supporting the UC Sustainable Practices
Policy Target of Zero Waste by 2020

Restroom Needs Service?

Submit a request through the UCLA 311 App!
Download the app on Google Play or App Store
Select “Custodial/Cleanup”
Select a Type of Request
After inputting a few details, your request will be submitted for service!

UCLA 311

FOR URGENT ISSUES (FLOODS, CLOGS, MESSY SPILLS)
PLEASE CALL 24/7 TROUBLECALL AT 310-825-9236
You may also submit a request through troublecall.ucla.edu

UCLA Recycles White Paper
Includes:
- White Bond
- White Stationery
- White Xerox Paper
- White Envelopes
- Stencils and O.K.
Do NOT Include:
- Cardboard
- Newspaper
- Glossy Paper
- Carbon Paper
- Index Cards

Please throw other trash away in the designated landfill containers located outside of the restroom.
Campaigning at YRL
Success at YRL

YRL Total Landfill Waste Composition (lbs) - February 2019

- Landfill: 106 lbs
- Recycle: 110 lbs
- Compost: 281 lbs

YRL Total Landfill Waste Composition (lbs) - May 2019

- Landfill: 95 lbs
- Recycle: 49 lbs
- Compost: 150 lbs
Campaigning at Powell

HELP US REACH OUR ZERO WASTE GOAL BY 2020

POWELL ZERO WASTE

KEEP AN EYE OUT FOR THE
• THREE STREAM BINS •
DO YOUR PART & USE THEM WISELY

WHY ARE THE DESK-SIDE BINS GONE?

THEY ACCUMULATE TOO MUCH WASTE AND ARE EXTREMELY HARMFUL FOR OUR ZERO WASTE GOAL

WHAT IS THIS INITIATIVE?

CLEAN CONSULTING: AN ENVIRONMENTAL CONSULTING CLUB ON CAMPUS TRYING TO REINVENT OUR WASTE CULTURE

LEARN MORE ABOUT US @CLEANCONSULTING

HOW TO USE
THE THREE STREAM BINS

COMPOST

RECYCLING

LANDFILL

UCLA
Success at Powell

**Powell Total Landfill Waste Composition (lbs) - February 2019**

- Landfill: 70 lbs
- Recycle: 104 lbs
- Compost: 309 lbs

**Powell Total Landfill Waste Composition (lbs) - May 2019**

- Landfill: 23 lbs
- Recycle: 19 lbs
- Compost: 57 lbs
Lessons Learned

Takeaways
• Transition can be chaotic. Allies and champions make it better. Your waste hauler can be one of them.
• Acceptance takes time. Culture change takes time.
• Invest in infrastructure and roll out initiatives concurrently if possible.
• Nothing is perfect. It’s okay. We’re all doing our best. Lean on each other if you need.

Next Steps
• Continue to educate. Outreach is half the battle.
• Continue to roll out in more buildings.
• Work more with students and champions
Learn more from the UCLA Sustainability website at sustain.ucla.edu

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