Facilities Planning & Management
UNIVERSITY OF WISCONSIN–MADISON

# Waste and Recycling

April 11, 2024

**Building Manager Lunch & Learns**

# Zero Waste Initiative

- “Become a Zero Waste campus by 2040” - Chancellor Mnookin

- Targeted Areas
  - Municipal Solid Waste
  - Construction/Demolition Waste
  - Sustainable Purchasing
  - Hazardous Waste Materials

| Name | Title | Group(s) |
|---|---|---|
| Carolyn Shumaker | Zero Waste Project Assistant | FP&M - Office of Sustainability |
| Craig Mayer | Director of Maintenance | FP&M - Physical Plant – Maintenance |
| Ellen Agnew | Building and Grounds Superintendent | FP&M - Physical Plant |
| Eloise Massee | Zero Waste Project Assistant | FP&M - Office of Sustainability |
| Rachel Schumacher | Zero Waste Project Assistant | FP&M - Office of Sustainability |
| Emily Johnson | Zero Waste Project Assistant | FP&M - Office of Sustainability |
| Glenn Betts | Senior Associate Director of Facilities | Athletics |
| Jeff Templin | Waste & Recycling Manager | FP&M - Physical Plant – Waste & Recycling |
| Jeremy Oimoen | Refuse Collector | FP&M - Physical Plant – Waste & Recycling |
| Jodi Krause | Assistant Director of Housekeeping | University Housing |
| Joe Boss | Custodial Program Manager | Wisconsin Union |
| Josh Berg | Director of Support Services | Wisconsin Union |
| Kacie Krueger | Program Assistant | Athletics |
| Malorie Garbe | Sustainability Coordinator | University Housing |
| Martin Flanagan | Lead – Refuse Collector | FP&M - Physical Plant – Waste & Recycling |
| Matt Thies | Surplus Program Manager | SWAP / Business Services |
| Olivia Grose | Zero Waste Project Assistant | FP&M - Office of Sustainability |
| Sam Totzke | Zero Waste Project Assistant | FP&M - Office of Sustainability |
| Steve Heitz | Custodial Service Program Supervisor | FP&M - Physical Plant – Custodial Services |
| Tim Blankenship | Waste & Recycling Supervisor | FP&M - Physical Plant – Waste & Recycling |
| Tom Retelle | Materials Management Lead | FP&M - Physical Plant – Stores |
| Travis Blomberg | Campus Resource Coordinator | FP&M - Office of Sustainability |
| Troy Vannieuwenhoven | Waste Management Supervisor | FP&M - Environment, Health & Safety |

# Zero Waste Initiative (Focus Areas)

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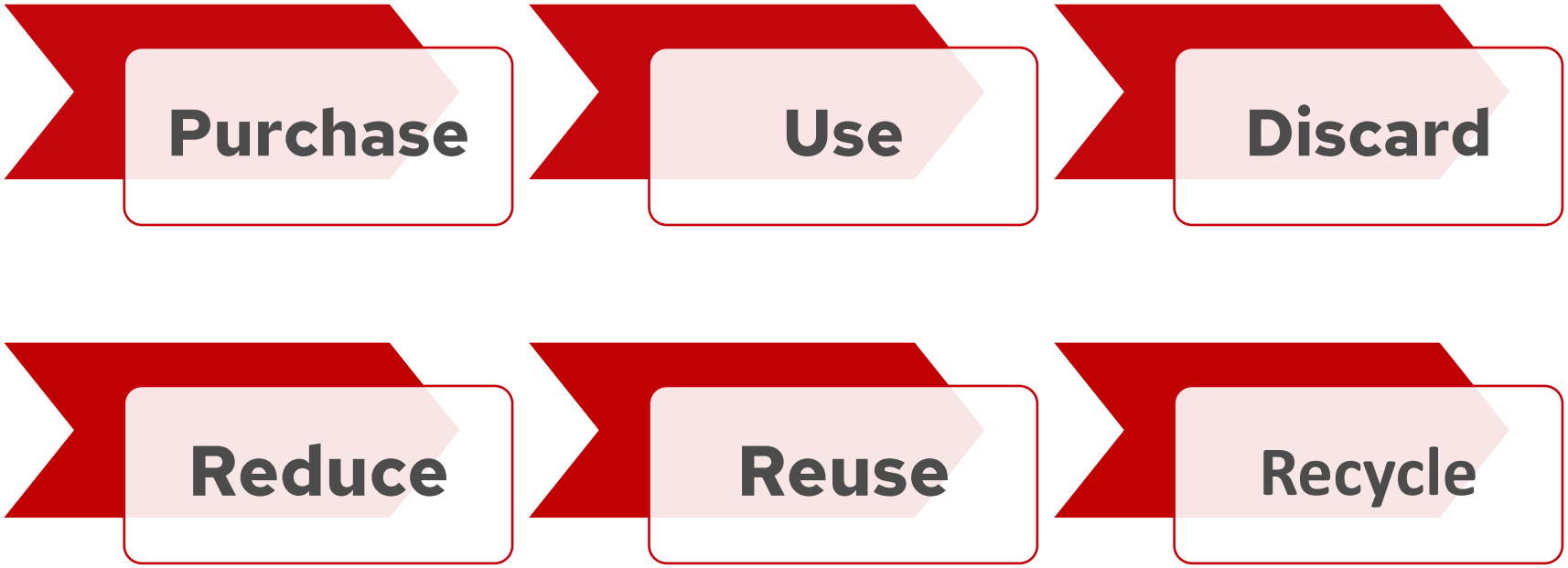
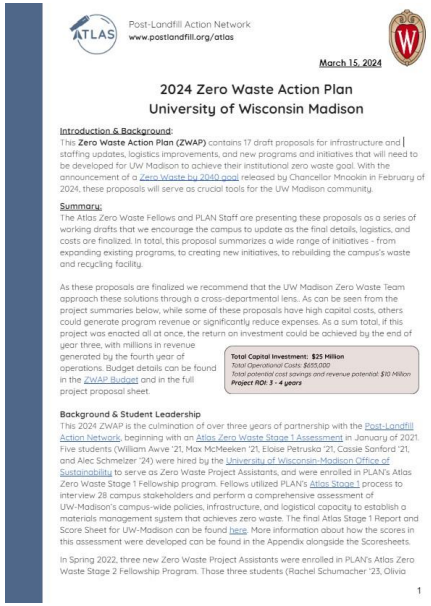


# Zero Waste Action Plan/Workshops

UW-Madison is collecting feedback from staff, faculty, and students on its Zero Waste Action Plan. Submit feedback by June 30!

- Friday, April 26
  - Morning Workshop (9:30 a.m. – 11 a.m.)
  - Afternoon Workshop (3:30 p.m. – 5 p.m.)



Post-Landfill Action Network
www.postlandfill.org/atlas

March 15, 2024

2024 Zero Waste Action Plan
University of Wisconsin Madison

Introduction & Background:
This **Zero Waste Action Plan (ZWAP)** contains 17 draft proposals for infrastructure and staffing updates, logistics improvements, and new programs and initiatives that will need to be developed for UW Madison to achieve their institutional zero waste goal. With the announcement of a Zero Waste by 2040 goal released by Chancellor Mnookin in February of 2024, these proposals will serve as crucial tools for the UW Madison community.

Summary:
The Atlas Zero Waste Fellows and PLAN Staff are presenting these proposals as a series of working drafts that we encourage the campus to update as the final details, logistics, and costs are finalized. In total, this proposal summarizes a wide range of initiatives - from expanding existing programs, to creating new initiatives, to rebuilding the campus's waste and recycling facility.

As these proposals are finalized we recommend that the UW Madison Zero Waste Team approach these solutions through a cross-departmental lens. As can be seen from the project summaries below, while some of these proposals have high capital costs, others could generate program revenue or significantly reduce expenses. As a sum total, if this project was enacted all at once, the return on investment could be achieved by the end of year three, with millions in revenue generated by the fourth year of operations. Budget details can be found in the ZWAP Budget and in the full project proposal sheet.

**Total Capital Investment: $25 Million**
*Total Operational Costs: $655,000*
*Total potential cost savings and revenue potential: $10 Million*
***Project ROI: 3 - 4 years***

**Background & Student Leadership**
This 2024 ZWAP is the culmination of over three years of partnership with the Post-Landfill Action Network, beginning with an Atlas Zero Waste Stage 1 Assessment in January of 2021. Five students (William Awve '21, Max McMeeken '21, Eloise Petruska '21, Cassie Sanford '21, and Alec Schmelzer '24) were hired by the University of Wisconsin-Madison Office of Sustainability to serve as Zero Waste Project Assistants, and were enrolled in PLAN's Atlas Zero Waste Stage 1 Fellowship program. Fellows utilized PLAN's Atlas Stage 1 process to interview 28 campus stakeholders and perform a comprehensive assessment of UW-Madison's campus-wide policies, infrastructure, and logistical capacity to establish a materials management system that achieves zero waste. The final Atlas Stage 1 Report and Score Sheet for UW-Madison can be found here. More information about how the scores in this assessment were developed can be found in the Appendix alongside the Scoresheets.

In Spring 2022, three new Zero Waste Project Assistants were enrolled in PLAN's Atlas Zero Waste Stage 2 Fellowship Program. Those three students (Rachel Schumacher '23, Olivia

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# Recyclable Material Categories

| | | |
|---|---|---|
| Single Stream | Commingled | Cardboard |
| Plastic Drums | Metals | Wood |
| Concrete | Appliances | Styrofoam |
| Light Bulbs | Batteries | E-Waste |

# Normal Disposal Services

- Waste and Recycling provides daily collection of disposal for outside trash and recycling receptacles and dumpsters.

- Most are found in your building's loading dock.

# Extended Services

- Extended Service Requests should go through Physical Plant Customer Service because a work order is required:
  - Any large item(s) or bulk item(s) that do not fit in the normal dumpsters
  - Any items that are NOT allowed in dumpsters
  - Requests for Roll Off containers for construction or clean out projects
  - Disposal services for auxiliary departments

# Items Prohibited in Dumpsters

- Chemicals / Fluids
- Batteries
- TVs
- Appliances
- Fluorescent Bulbs
- Tires
- Unautoclaved Medical Waste
- Yard Waste
- Metal

# Who to Contact

## Physical Plant Customer Service

- Web  - Request Service via Assetworks ReADY (NetID authentication required).
- Email - ppcustomerservice@fpm.wisc.edu.
- Phone - 608-263-3333

## Waste and Recycling

Jeff Templin - Manager
jeffery.templin@wisc.edu
608-219-8192

Tim Blankenship - Supervisor
timothy.blankenship@wisc.edu
608-220-7194

## Office of Sustainability

zerowaste@sustainability.wisc.edu

# More Complex Items … Contact Campus Services!


## Scott Henderson
**Building and Grounds Supervisor**
**Campus Services – Facilities Group**
608-576-5338
scott.henderson@wisc.edu


- *Campus Moving Services*
- *Junk Removal*
- *Tip Cart Service for Construction*
- *Lighting Recycling*
- *Event Setup*
- *Table and Chair Rental*
- *Campus Window Washing*


## Brad Schenkel
**Building and Grounds Superintendent**
608-265-5293
bradley.schenkel@wisc.edu


- *Lighting Replacement*
- *Lift & Ladder Delivery*
- *Styrofoam Collection*
- *Helium Delivery*


## Ross Berge
**Building and Grounds Supervisor**
608-422-0001
ross.berge@wisc.edu


- *Personal Transportation*
- *Material Transportation*
- *Interdepartmental Mail Services*
- *US Postal Mail for 1/3 of Campus*
- *First Class Mail Metering*
- *Ongoing Packages and International Shipping*
- *Business Reply Mail*

# Large Items

# Large Items

# Large Items

FH-0402-006
G.A.S.P.

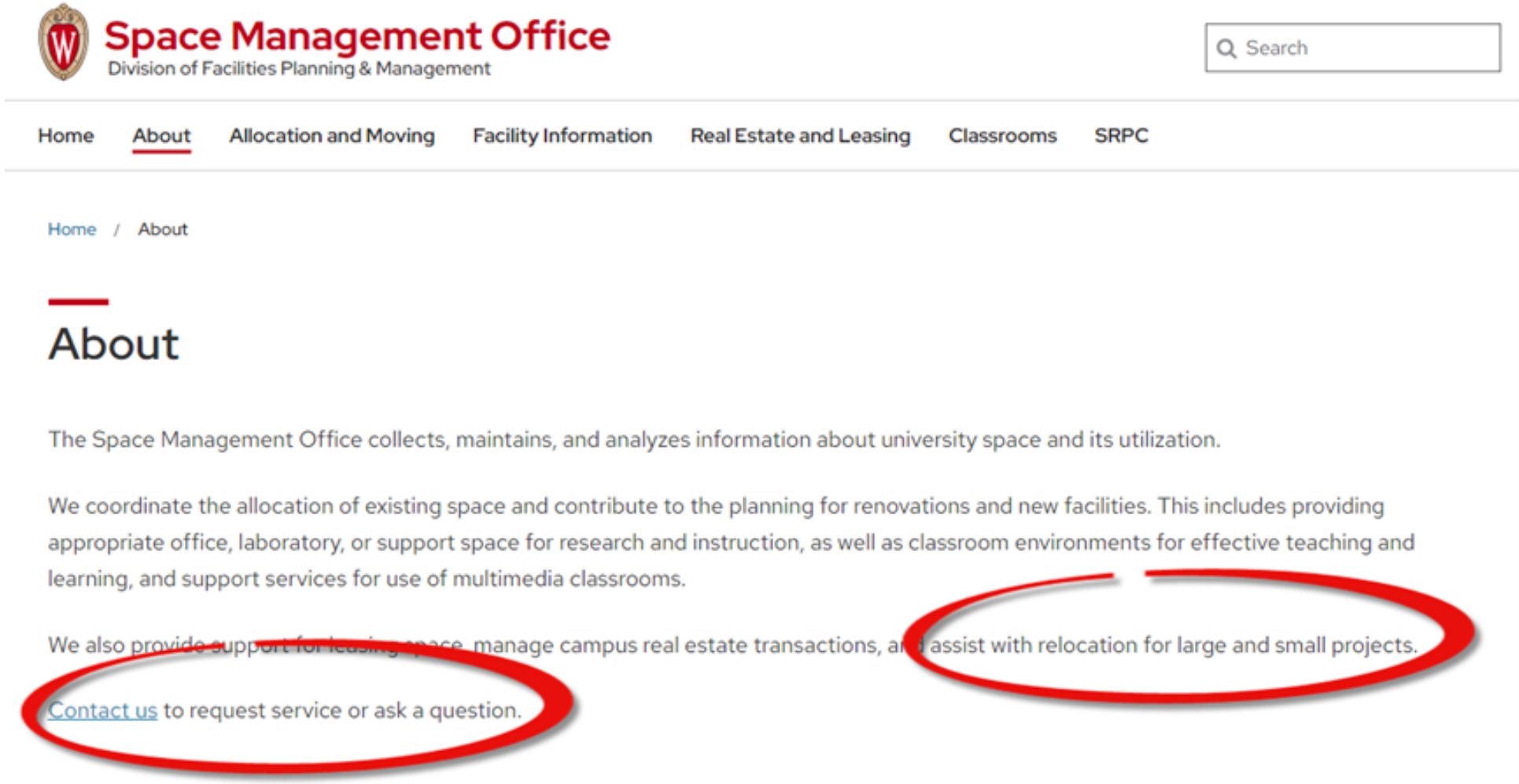
NO FLAMMABLES
Slide To Open

SIZE 4
fisherbrand
Isotemp
-80°C

# Large Items

# Space Management Team

[smo.fpm.wisc.edu/about](smo.fpm.wisc.edu/about)

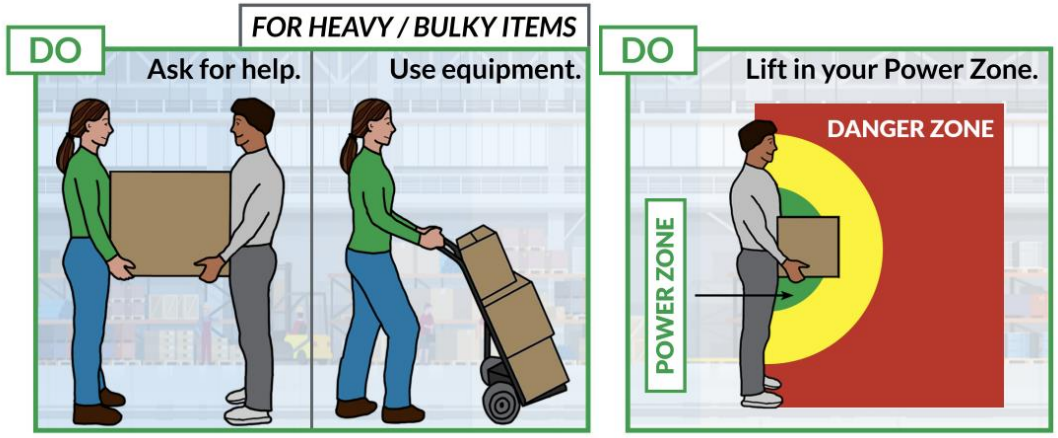


# Ergonomics

- **Primary Issues:**
  - Building users improperly disposing trash and other items
  - High injury rates: repetitive motion and lifting
- **Who is affected?**
  - Anyone handling items: Custodians & Building Managers
  - Building users needing accessible & unobstructed paths
- **Ergonomic risks:**
  - Lifting heavy, awkward-shaped, and unknown items
  - Repetitive motion
  - Low and high lifts (e.g. items on floor, overhead into dumpsters)
  - Carrying

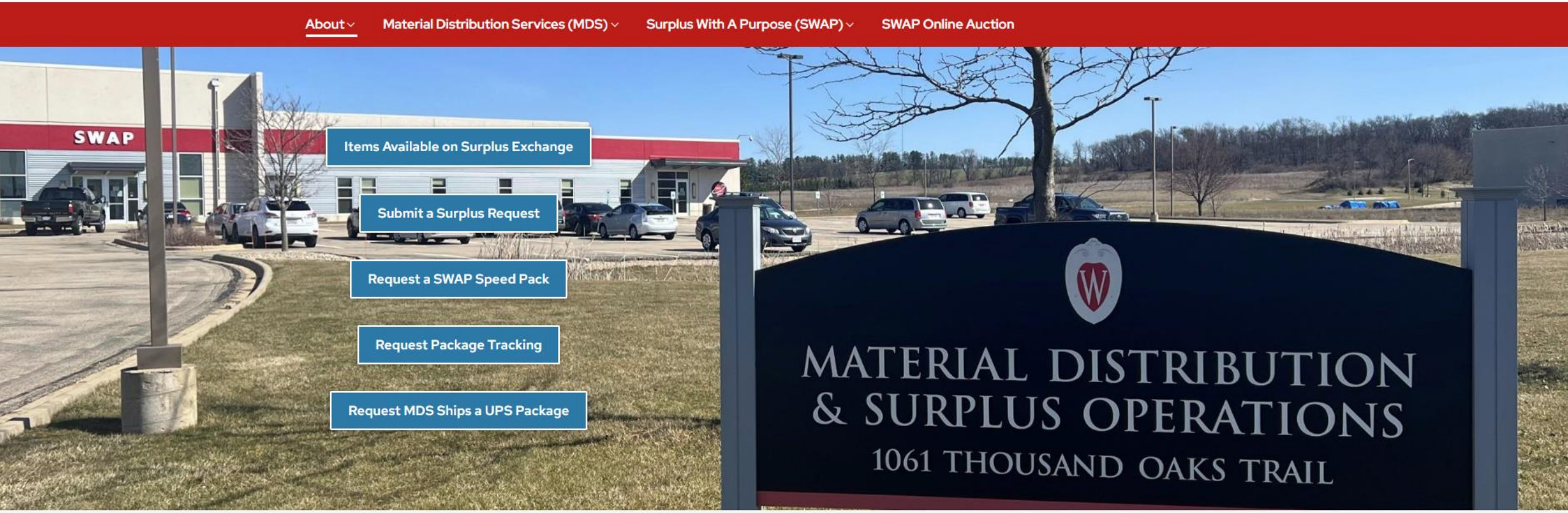
# Ergonomics Considerations

- **What can you do?**
  - Communicate proper disposal practices to building occupants & users
  - Have easily accessible equipment: hand trucks, carts, etc.
  - Practice safe lifting & material handling
    - Dumpsters: Easily Accessible? Dumpster prop? Portable step



# SWAP (Surplus With A Purpose)

[swap.wisc.edu](swap.wisc.edu)



# Large Items

# Large Items

# Prepping Items for Move

## (Internal components/substances/electrical)

# Smaller Items

## (Should be put on carts)

# Who to Contact


## Brad Schenkel

Building and Grounds Superintendent

608-265-5293

bradley.schenkel@wisc.edu

## Scott Henderson

Building and Grounds Supervisor
Campus Services- Facilities Group

608-576-5338

scott.henderson@wisc.edu


- Campus Moving Services
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- Event Setup
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# Hazardous Materials

ehs.wisc.edu/disposal-services/recyclopedia

- Bulbs/Lamps - Ballasts
- Sharps/Regulated Medical Waste
- Used Oil
- Mercury Devices
- Paint
- Disposal Services

# Environment, Health & Safety

ehs.wisc.edu EHS@wisc.edu 608-265-5000

- Office of Biological Safety
  - Animal Research
- Chemical Safety Office
  - Hazardous Waste Management
- Office of Radiation Safety
  - Radioactive Material Disposal
  - Lasers
- General and Building Safety
  - Fire and Life Safety
  - Facilities Safety
- Environmental Occupational Health
  - Ergonomics
  - Workplace Safety
  - Respirators

# Questions? Feel free to reach out!

## FP&M Presenters (in order of appearance)

- **Andrew Brunner**
  Communications Manager | andrew.brunner@wisc.edu
- **Travis Blomberg**
  Office of Sustainability Campus Resource Coordinator | travis.blomberg@wisc.edu
- **Jeff Templin**
  Physical Plant Waste & Recycling Manager | jeffery.templin@wisc.edu
- **Brad Schenkel**
  Physical Plant Building & Grounds Superintendent | bradley.schenkel@wisc.edu
- **Patrick Scott**
  Environmental & Occupational Health Occupational Health Specialist | patrick.scott@wisc.edu
- **Troy Vannieuwenhoven**
  FP&M Physical Plant Regulated Waste Program Manager | troy.vannieuwenhoven@wisc.edu

# Thank You

- Please take this short survey:

go.wisc.edu/building-manager-survey

  - How did we do?
  - What topics would you like to see next?