

TOWARDS A MORE SUSTAINABLE PURDUE CAMPUS INITIATIVES IN CHEMICAL ENGINEERING

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Davidson School of Chemical Engineering

OVERVIEW

Embracing sustainability is our moral responsibility. The newly formed Chemical Engineering Sustainability Committee advances sustainability in the Davidson School of Chemical Engineering and on Purdue campus through engagement, education and sustainable programs implementation. In collaboration with the safety committee the RightCycle program was implemented in ChE research labs, as a first step towards more sustainable lab operations. This resulted in a total of 1142 pounds of safety gloves being diverted from landfill in 2024 by Purdue ChE researchers alone.

SUSTAINABILITY COMMITTEE

OUR MISSION

The chemical engineering sustainability committee consists of faculty, staff, postgraduate researchers, graduate and undergraduate students that strive to raise awareness about social, environmental and economic sustainability through engagement, education, sustainable programs implementation and open communication

Diverse pool of members:

- Faculty
- Staff
- Graduate Students
- Undergraduate Students
- Postdocs

Applications to join are accepted year-round

Join the ChE Sustainability Committee!

Are you passionate about sustainability? Do you want to help advance sustainability in the Davidson School of Chemical Engineering and on Purdue campus? Do you want to make a lasting impact on how sustainability is perceived in our School and on campus?

Why Join?	What's in for you?	Eligibility
Join a group of like-minded volunteers and share your ideas, make your voice heard, and help organize impactful events and education sessions that promote sustainability. You'll connect with others and play a key role in shaping how our community understands and embraces sustainable practices.	Network and build relationships with peers, faculty, staff, and senior leaders. Collaborate on various initiatives and drive our sustainability journey forward. Gain valuable skills in time management, communication, and leadership as you help implement initiatives aligned with our mission.	To join you must be an undergraduate or graduate student, or postdoctoral researcher in the Purdue Davidson School of Chemical Engineering, and have at least one more year of study to complete your degree/postdoctoral research position.

Apply to be a committee member!
OR: <https://tinyurl.com/mvkar4cc>
Please have your resume ready.

For more information contact Gabriela Nagy at: gnagy@purdue.edu

sustainability

species zero-waste ecological balance goal

Check us out! See what the ChE Sustainability Committee is doing! <https://tinyurl.com/m57c5th3>

FULFILLING OUR MISSION

EDUCATION SESSIONS



Experts from industry come and share information about sustainability initiatives in industry during the special education sessions organized each semester.

SUSTAINABILITY THEMED EVENTS

The ChE Sustainability Committee, in collaboration with the ChE Safety Committee and Purdue Sustainability Department organized two interactive sustainability themed events.

RightCycle Program Launch: October 25, 2023



Through the RightCycle Program facilitated by Ansell, our researchers divert their used, nonhazardous nitrile safety gloves from landfill and help give them a new life as useful household items.

"Fit&Feel" and RightCycle Celebration: September 4, 2024

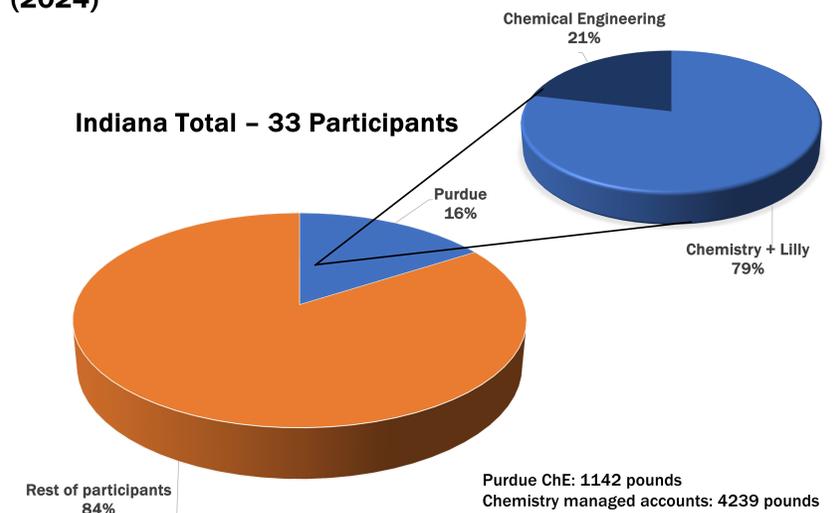


Our researchers learned about different Kimtech safety gloves, the correct procedure for Don and Doff, and their glove size.

We celebrated the shipping of the first Gaylord of gloves to be recycled from Forney Building (net weight: 642 pounds!!), and gave away prizes to those participating in fun activities.

IMPACT: 2024 YEAR IN NUMBERS

RightCycle - Pounds of safety gloves diverted from landfill (2024)



Davidson School of Chemical Engineering has contributed more than 20% to Purdue's overall diversion of safety gloves from landfill through the RightCycle program and plays an important role in reaching Purdue's sustainability goals.

What's Next?

The ChE Sustainability Committee plans to:

- Continue to offer sustainability related events and education sessions to the ChE and Purdue community
- Keep a diverse group of committee members by recruiting new members every semester
- Introduce other College of Engineering units to the RightCycle program
- Collaborate with Purdue Sustainability Department and with Purdue EHS to introduce the new "Green Labs" Program in Forney Building
- Collaborate with Fisher Scientific to introduce the Thermo Scientific Pipette Tip Recycling Program in Forney Building