



Core Directors Meeting

OFFICE OF RESEARCH TECHNOLOGIES

14 NOVEMBER 2019

AGENDA

- ▶ Announcements
 - ▶ ABRF Membership and Annual Meeting
 - ▶ Comprehensive Insurance for Equipment
 - ▶ Fall RFA, Flex Funding and Pilot “Voucher” Programs
 - ▶ iLab Updates
 - ▶ Cooperation vs. competition
 - ▶ UNC-W Internal Rates
- ▶ Green Labs Certification Program – Cindy Shea, Sustainability Director
- ▶ Research at UNC – Andy Johns, Sr. Assoc. Vice Chancellor for Research

ABRF Membership and Annual Meeting

- ▶ Office of Research Technologies will sponsor an academic ABRF membership for 2020
- ▶ Annual memberships will be \$50 each and CFAC will pay for these – please sign up to let us know you wish to join ABRF
- ▶ ABRF Annual Meeting is Feb. 29 – March 3, Palm Springs CA, “Empowering Team Science” – please consider attending and presenting a poster

Insurance for Core Equipment

- ▶ Annual Planning Survey included full accounting of equipment in your cores
- ▶ List is being compiled and will be provided to Risk Management Services as support for negotiating better rates on All-Risk insurance, which is comprehensive
- ▶ Plan to have this in place for FY21

Fall RFA, Flex Funding and Pilot “Voucher” Programs

- ▶ Fall RFA Process – 14 requests funded/partially funded at \$456K
- ▶ Flex Funding is available to cores for continuing education, team building, certifications, hosting seminar speakers, etc. – *send requests to Annabelle*
- ▶ Pilot “Voucher” Program – RFA distribution 11/14, applications due 01/06
 - ▶ New method development
 - ▶ Generation of pilot data for new grant
 - ▶ New user of your core
 - ▶ \$10,000 core voucher. Must be used in SOM core. Applicants can be any rank, from any department

iLab Updates

- ▶ Credit card module has been approved. Should be fully implemented by end of year
- ▶ Current number of cores using iLab is 20 with 3 more cores pending final review
- ▶ CFAC/OOR/OVCR and other units cover costs of iLab for cores and will continue to do so
- ▶ Purchased 30 licenses – 7 more to fill

Cooperation versus Competition

- ▶ Overlap of facilities
- ▶ Integration of services
- ▶ Coordination between cores

- ▶ Schedule facilitated core director meetings (to include faculty directors) of cores that share similar equipment/expertise? *Goal is to foster collaboration and ensure best service for customer base.*

Internal Rates for UNC Wilmington

- ▶ The agreement put in place last October has been renewed through August 2020
- ▶ UNC-W investigators (or cores) can continue to utilize UNC-CH cores at the “internal” rate



Green Labs Certification Program

CINDY SHEA – SUSTAINABILITY DIRECTOR

CATHARINA VAN HEUSDEN AND NICOLE PARSLEY – CO-CHAIRS, GREEN LABS COMMITTEE



THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

GREEN LABS

Presentation for
Core Lab
Managers

By Cindy Shea,
Sustainability
Director

November 14,
2019

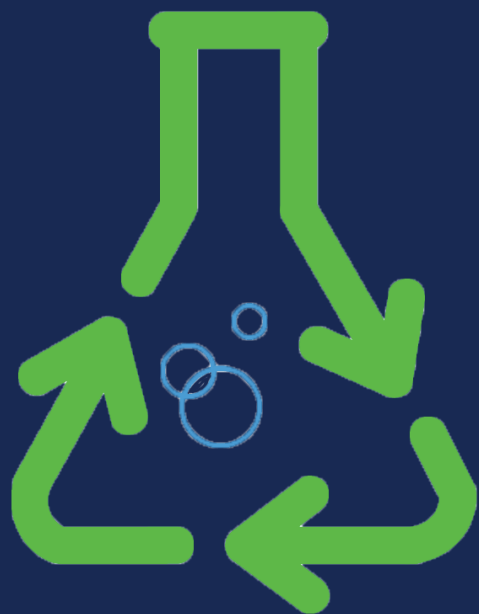


THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

GREEN LABS

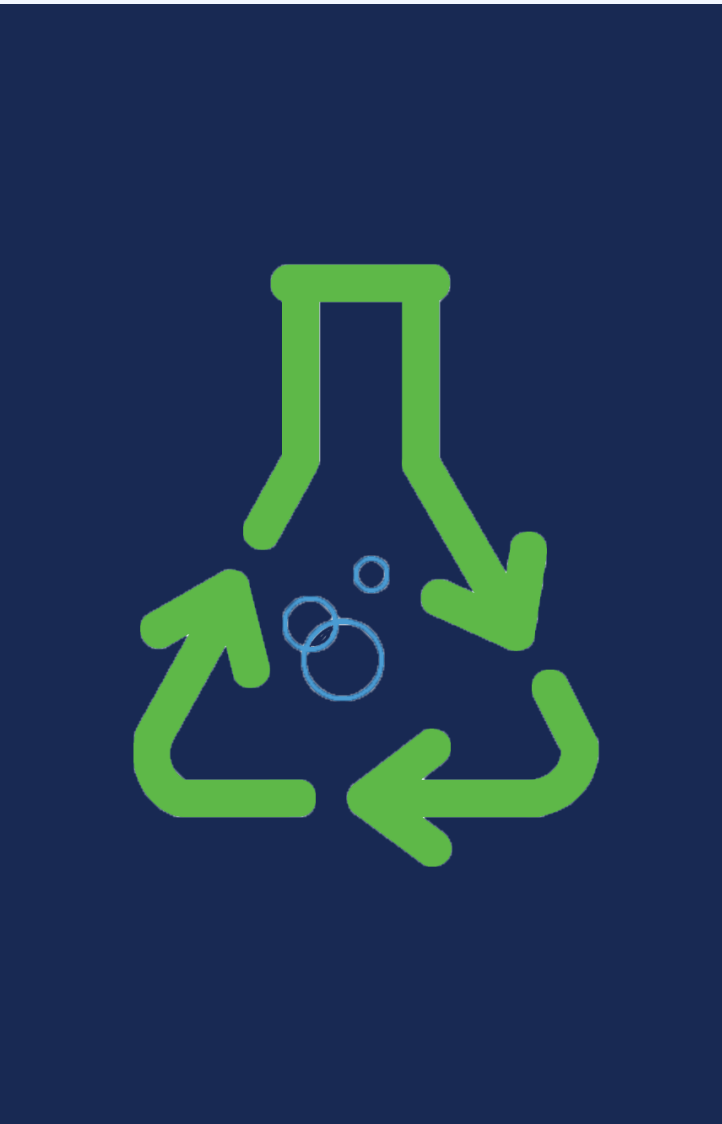
What We'll Cover

- Intro
- Purpose
- Partners
- Background
- Freezer Challenge
- Freezer Rebate
- Recycling Programs
- Green Lab Certification
- Plans for the Future
- Discussion

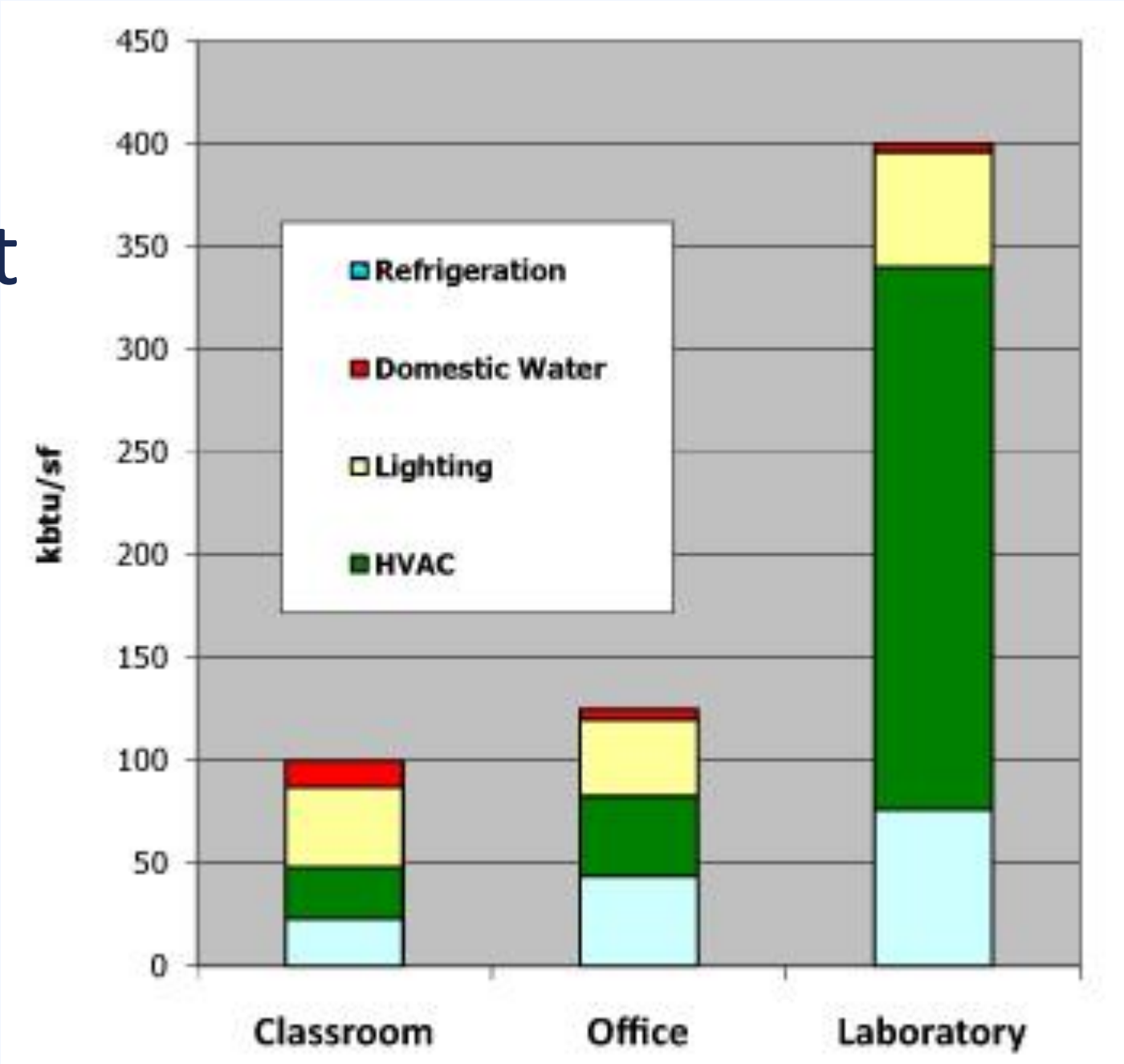


Purpose

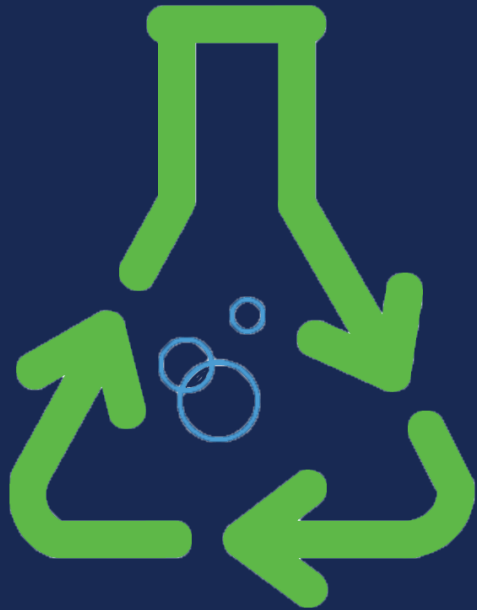
“UNC Green Labs works with all members of the UNC community — researchers, lab managers, P.I.s, building managers, students, staff, faculty, and administration — to encourage sustainable practices and promote awareness of green issues in UNC’s laboratories.”



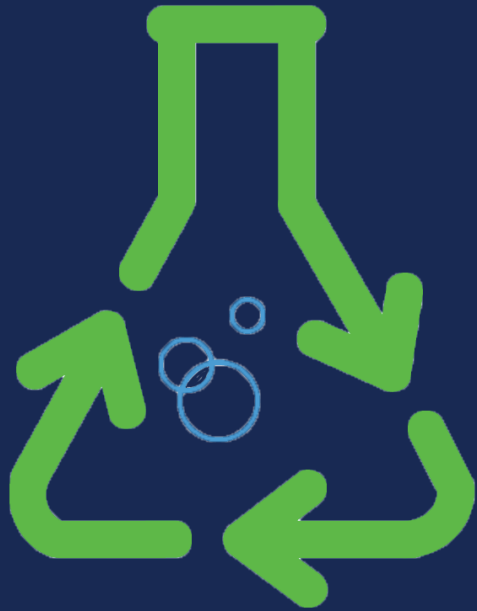
Why: Impact



Background



- **Energy Use** – air changes per hour, fume hoods, ultralow freezers, anything with a plug
- **Water Use** – autoclaves, glass washing, aspirators
- **Waste Production** – hazards, plastics, foam
- **Purchases** – Energy Star, ACT, onsite availability?
- **Behavior** - knowledge, activities, protocols



Partners

- **University-affiliated partners:** EHS, Energy Management, Lab Managers, Research Technicians, Graduate Students, OWRR, RESPC, Sustainability Office, Three Zeros Team, Undergraduate Interns
- You!
- **Non-university partners:** VWR International, Fisher Scientific, Genesee, My Green Lab, Peer Campuses, MilliporeSigma



Green Labs Committee

- Quarterly meetings and presentations
- Green Labs at Carolina: A Best Practices Guide
- Newsletter

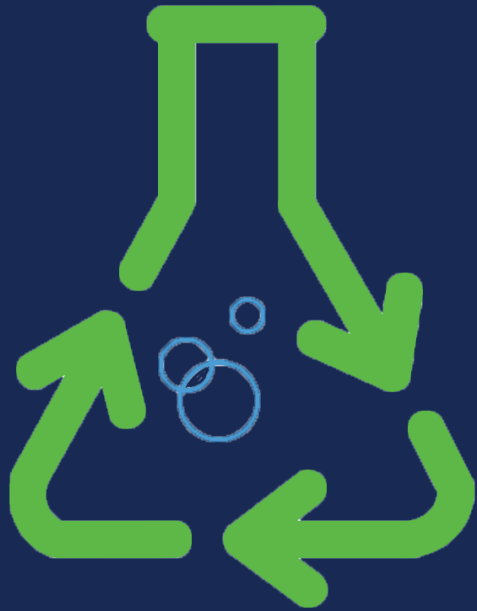


GREEN LABS AT CAROLINA



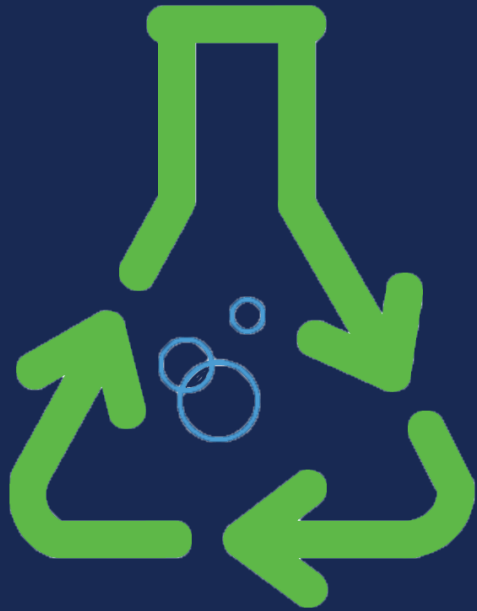
A BEST
PRACTICES
GUIDE





Freezer Challenge

- Best Freezer Practices - Collaboration with Energy Services, Facilities, Three Zeros, GPSF, VWR, My Green Lab
- 74 labs in total (about 20% of the IFC)
- 4th place internationally



Efficient Freezer Rebate Program

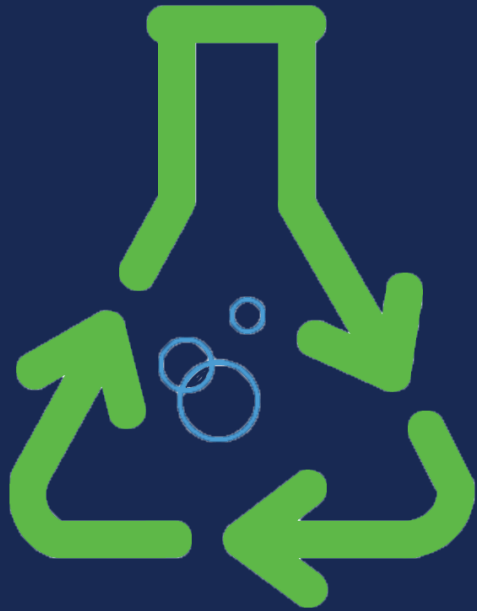
- Rebate – 35%
- 28 ULFs, \$125,000 from RESPC; quarterly tranches

<http://respc.web.unc.edu/efficient-freezer-rebate-program/>



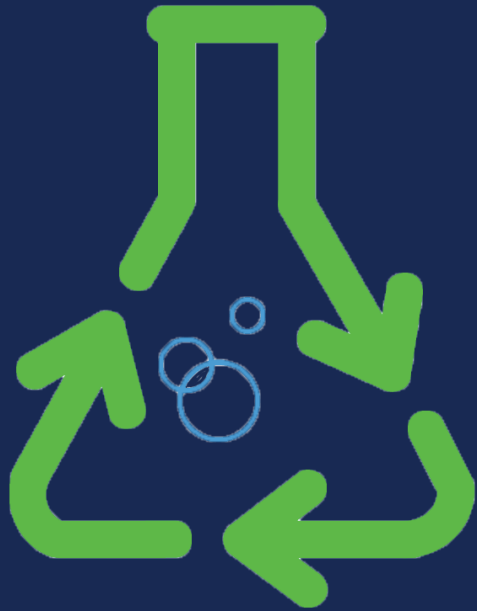
Recycling Programs

- Nitrile glove recycling in collaboration with VWR and Kimberly Clark
- Plastic film recycling, Styrofoam cooler, and freezer gel pack takeback in collaboration with Fisher Scientific, Genesee, MilliporeSigma
- Pipette tip boxes, plastic flasks
- 5 gallon metal drums, glass solvent bottles
- Garment recycling in chemistry teaching labs with VWR



Plans for the Future

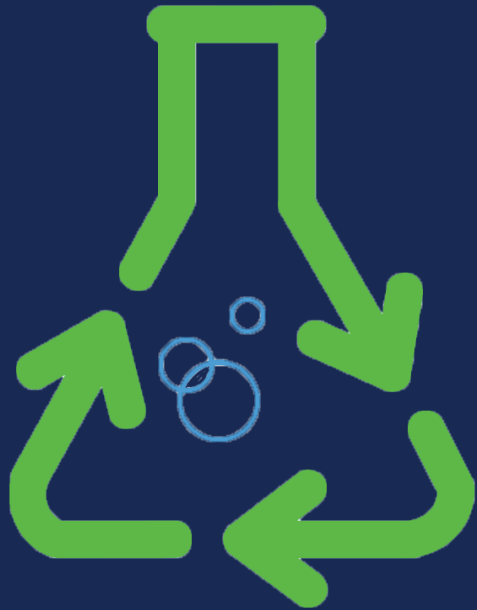
- **Green Labs Certification**
- Increased departmental collaboration
- Equipment Inventory – sharing opportunities?
- Styrofoam recycling program
- More garment recycling



Project Goals

- Produce Green Labs Certification criteria with an emphasis on impact and convenience
- Raise awareness of best Green Labs practices among laboratory staff
- Reduce energy and water use and waste produced by campus labs





Recruiting for developing a green labs certification program

- Connect lab managers and researchers with existing programs and resources
- Focus on specific actions? Or percent participation?
- Make convenient and ease barriers to participation
- What makes people care and want to be involved?
- Best practices - UNC? Elsewhere? Lunch and Learns?
- Competitions? Onsite walk throughs? ???



Questions/Comments

UNC Green Labs Resources

<http://uncgreenlabs.web.unc.edu/>



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