

## INTERESTED IN BECOMING A CERTIFIED GREEN LAB?

What does the certification mean?

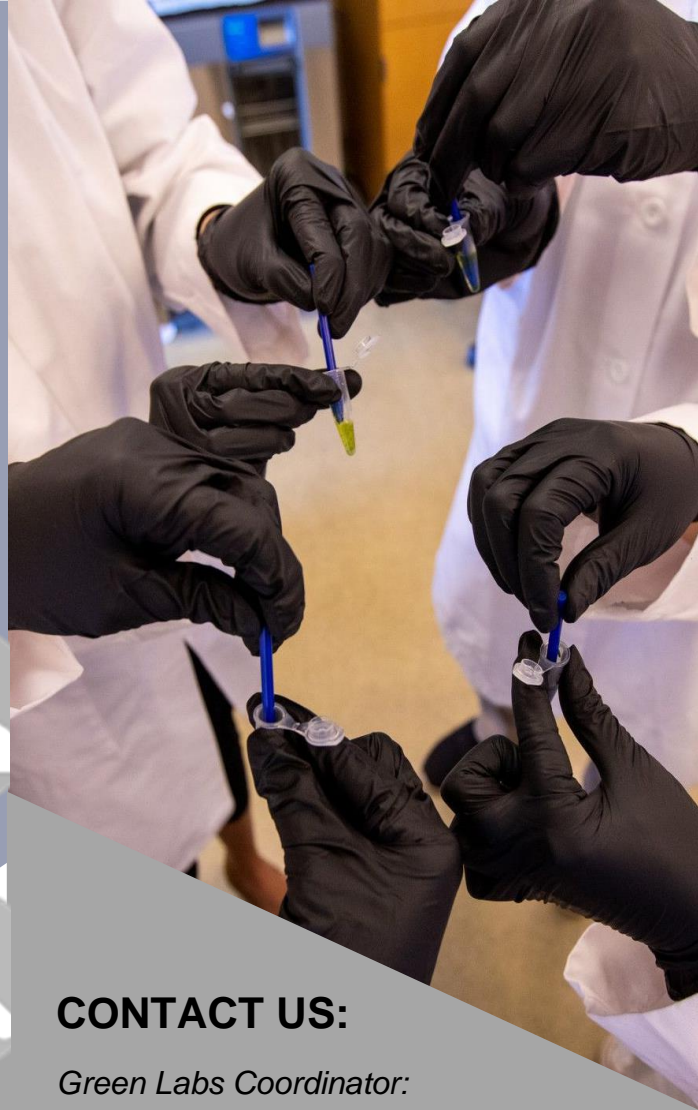
This certification will allow your lab to reduce the environmental impacts associated with lab practices. This certification is open to any lab on campus.

Want to get started?

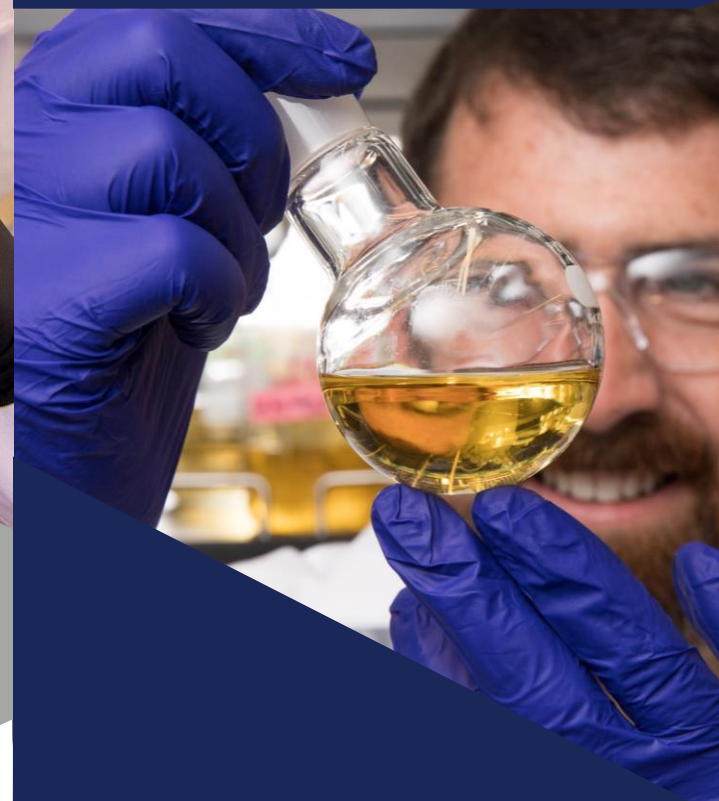
**1** Contact your NAU Green Labs Coordinator to review the requirements to become a Certified Green Lab (contact information on back).

**2** Determine what practices and equipment in your lab meet the requirements, or what innovations can be implemented to certify your lab.

**3** Advance on the sustainable improvements in your lab to achieve a higher rank of the certification, and spread the culture of sustainability at NAU!



# GREEN LABS PROGRAM



### CONTACT US:

*Green Labs Coordinator:*

[greenlabs@nau.edu](mailto:greenlabs@nau.edu)

*Environmental Health & Safety:*

[nauehs@nau.edu](mailto:nauehs@nau.edu)

*Office of Sustainability:*

[green@nau.edu](mailto:green@nau.edu)



**NAU** NORTHERN ARIZONA UNIVERSITY

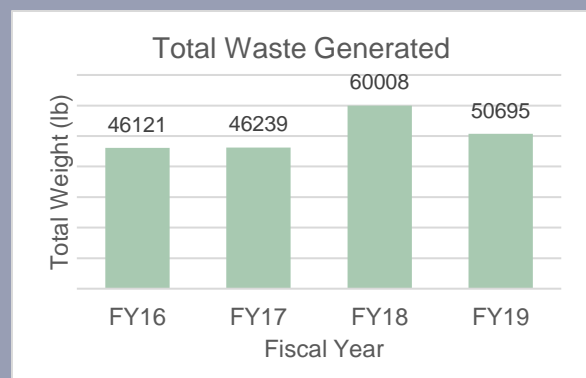
Environmental Health and Safety  
Office of Sustainability

Created by: Paxson Lowther 2020

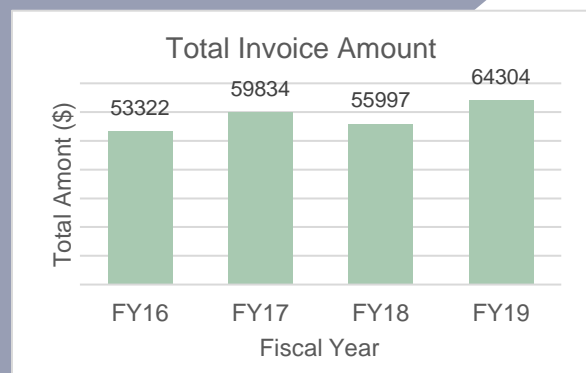
## WHAT IS THE GREEN LABS PROGRAM?

The Green Labs Program is a collaboration between the Office of Sustainability and Environmental Health & Safety with the goal to minimize the environmental impact of laboratories on NAU campus.

The total amount of hazardous waste generated from labs on campus has been increasing, and has averaged ~50,766 lbs/yr over the last four years.











The costs associated with properly handling the waste has also increased, with an average annual cost of \$58,364.



## HOW CAN YOU MINIMIZE YOUR IMPACT IN THE LAB?

1. *Observe* what products you use, their lifecycle, and how much is being used
2. *Learn* about the impact of your lab, and what innovations can be achieved
3. *Apply* sustainable practices in your lab and be a trailblazer at NAU for other Green Labs to follow!

### WAYS TO START TODAY...

-  *Think* about the potential waste of unused chemicals, and only buy what is needed
-  *Recognize* the quantity needed to complete lab tests, and only take what is needed
-  Accept *unused reagents* from other departments/EHS, or *share* with neighboring labs
-  *Label* all chemicals and containers in the lab, and keep an inventory so nothing gets misplaced
-  *Clean* out labs at the end of the year or semester and remove potential legacy waste
-  Explore the practices of *green chemistry* as it applies to your research at [mygreenlab.org/green-chemistry](http://mygreenlab.org/green-chemistry)
-  *Implement* low flow faucet aerators
-  *Engage* with other researchers and students on how you can reduce your impact



- Label equipment and light switches with "Flip the Switch" signs
- Turn off the lights whenever you leave the room



- Labs attribute to about 9% of NAU's total energy use, or about 28 million kWh
- Close the sash on your fume hood when it is not being used
- Use a power strip for appliances
- Install energy efficient light fixtures where available
- Defrost freezers at least once a year
- Change your ULT freezer from -80 to -70 degrees
- Appliances plugged in still use energy, called Vampire Energy, unplug them
- Turn off equipment and computers when they are not being used