



GREEN LAB CERTIFICATION

UW GREEN LABORATORY PRINTABLE CERTIFICATION

This document is meant for data collection and personal reference only, the official evaluation form can be found online at green-certification.uw.edu. Please evaluate your lab on the following criteria by circling the applicable answer.

Answer Key:

A = Always or All **S= Sometimes or Some** **NE= Never or None** **N/A = Not Applicable** **Y= Yes** **N=No**

LABORATORY INFORMATION

Laboratory Title: _____

Laboratory Department: _____

Laboratory Subject Matter (Check all that apply): Chemistry Physics Mathematical Life Sciences Geology Engineering Other: _____

Location: _____ Campus Mail box number: _____

How many people work within your laboratory? _____ Laboratory is comprised of primarily: Faculty Staff Graduate Students Undergraduate Students

Contact Name: _____ Email: _____

Phone Number: _____

Primary PI Name: _____ Primary PI Email: _____

COMMUNICATION AND EDUCATION

4 Points Possible, 4 Bonus

Y N N/A When a new member begins work at our lab, their orientation to our lab includes information regarding sustainability practices (1)

Y N N/A Staff meetings or other means of communication include updates on lab sustainability practices when applicable (1)

Y N N/A Our laboratory keeps communication lines open with our neighboring laboratories in order to combine orders and share resources when possible (1) If true, give an example of when and how:

Y N N/A At least one member of our lab is subscribed to the Green Labs newsletter and is sharing information with other lab members (1)

Y N N/A Our laboratory participates in a Green Team or a similar organized group working towards sustainability for our building or department (BONUS 1)

Y N At least 50% of our laboratory has taken the UW Sustainability 3 Pledge (BONUS 2)

Y N N/A Our administrative office is Green Office Certified (BONUS 1)

Electronics and Lights

- A S NE N/A Our laboratory has taken the time to determine and label what shutdown procedure each electronic device requires (1)
- A S NE N/A Our laboratory members unplug and/or turn off nonessential 1 electronic devices (such as computers, monitors, heat plates, spinner plates, cell phone chargers, battery chargers, etc.) when not in use (1)
- Y N N/A The last person to leave our laboratory turns off the lights (1)
- A S NE N/A Our laboratory makes an effort to use only natural light from windows when possible (1)
- A S NE N/A Our laboratory computers have been optimized to use less energy (1)

Freezers and Refrigerators

- Our laboratory has a refrigerator or freezer ___Fridge ___Freezer ___Both ___None (0)
- Y N N/A Our freezers are defrosted on every other year (1) ___ Biannually (3) ___ Annually (2)
- Y N N/A The external components of our refrigerator/freezer (including coils and motors) are cleaned every other year(1) ___ Biannually (3) ___ Annually (2)
- Y N N/A Our laboratory has turned down our -80 freezer to -70 (1)
- A S NE N/A Our laboratory stores DNA at -20 C (BONUS 1)
- Y N At least one of our refrigerators/freezers is Energy Star rated (BONUS 1)

Fume Hoods

- Y N Our laboratory does/does not utilize fume hoods. ___ Constant Air Volume ___ Variable Air Volume (0)
- A S NE Fume hood sashes are kept closed when not in use and low 2 when in use (2)
- A S NE Have your lab members taken the EH&S Fume Hood online training course?

Shipping and Mail

- A S NE N/A Our laboratory reuses or recycles mailing envelopes, boxes, and packaging material (1)
- A S NE N/A Our laboratory attempts to reduce unwanted mail by removing names from mailing lists and sharing periodicals and other mailings (2)
- A S NE N/A Our laboratory requests electronic versions of laboratory catalogues, or has made the choice to shop purely online, to replace printed laboratory catalogues (1)
- A S NE N/A Our laboratory orders frequently used items in bulk, consolidates orders, and/or combines orders with other labs when possible (1)
- A S NE Our laboratory orders items that have reduced, recycled, or reusable packaging options when possible (1)

Recycling

- A S NE N/A Our laboratory reuses or recycles paper (1)
- A S NE N/A Our laboratory recycles plastic and glass containers, including reagent bottles when appropriate (1)
- A S NE N/A Our laboratory recycles hard plastics (1)
- A S NE N/A Our laboratory recycles Styrofoam/polystyrene blocks and boxes (1)
- A S NE N/A Our laboratory recycles or reuses packing peanuts (1)
- A S NE N/A Our laboratory recycles Printer/ Copier Cartridges and Components (1)
- A S NE N/A Our laboratory recycles plastic film (1)

Recycling Cont.

- A S NE N/A Our laboratory recycles e-media at our nearest e-media bin (1)
- A S NE N/A Our laboratory properly and safely recycles Lecture Bottles/Gas Cylinders that vendors do not accept back (1)
- A S NE Our lab recycles empty lecture bottles or returns them to our vendor (1)
- Y N N/A Our lab has worked with UW Recycling to install compost collection containers and signage for paper towels from hand washing (1)
- Y N N/A Our lab properly disposes of all burnt bulbs through EH&S or Facilities (1)

Source Reduction

- A S NE N/A Our lab inventories our supplies and consumable materials prior to purchasing new materials (1)
- A S NE N/A Our lab shares chemicals or consumable materials with other labs to help with inventory control (1)
- A S NE N/A Our laboratory posts non-expired surplus chemicals for exchange on MyChem (1)
- A S NE N/A Our laboratory checks MyChem Chemical Exchange before purchasing new chemicals (BONUS 1)

Plant Material

- A S NE Our laboratory utilizes plant materials (0)
- A S NE Our laboratory either composts waste plant material or we send it to the UW farm for reuse (1)

CHEMICAL USAGE AND DISPOSAL

8 Points Possible, 2 Bonus

- A S NE Our laboratory utilizes chemicals (0)
- A S NE N/A All of our applicable laboratory members have taken the required "Managing Lab Chemicals" class provided by EH&S (1)
- A S NE N/A Our laboratory properly disposes of waste chemicals by utilizing the EH&S Chemical Collection request form or following EH&S guidelines for treatment prior to disposing down the drain (1)
- Y N N/A Our laboratory has exchanged all of our mercury thermometers for non-mercury thermometers through the Free EH&S "Mercury Thermometer Swap Program" (1)
- Y N N/A Our lab members know which chemicals are the most hazardous in our lab processes and have taken steps to reduce the amount of hazardous chemicals used and disposed of (2)
- A S NE N/A Containers of VOCs or other substances are capped when not in use (1)
- A S NE N/A Our laboratory uses less toxic, water-based cleaners and degreasers when they are available (1)
- A S NE N/A Our laboratory uses a solvent selection guide with health and safety criteria to help in selecting a solvent for a process (1)
- Y N N/A Our laboratory uses and purchases high-grade recycled xylene from EH&S (BONUS 1)
- Y N N/A Our laboratory uses LED microscope lighting versus standard mercury microscope bulbs (BONUS 1)

PURCHASING**6 Points Possible**

- Y N N/A Our laboratory utilizes the following resources when making purchasing decisions (Select all that apply)___USWAP___UW Surplus __ MyChem__Department Stores (e.g. Biochemistry store, Chemistry Store, etc.) (1)
Our laboratory has investigated Energy Efficient Laboratory Equipment, and has purchased the following energy efficient items (0):

- Y N N/A Our laboratory has investigated Energy Efficient Laboratory Equipment or equipment that has an energy-saving feature (1)
- Y N N/A Our laboratory purchases products manufactured from recycled materials when possible. Examples include (1):

- Y N N/A Our laboratory always purchases 100% recycled paper, as required by Washington state law (1)
- Y N N/A Our laboratory purchases products that are reusable as opposed to single use disposable items (1)
- Y N N/A Our laboratory considers consolidation of samples before purchasing a new freezer or refrigerator (1)
Some other efforts our laboratory takes to ensure that our purchasing is "Green" are (OPTIONAL):

WORK-RELATED TRAVEL AND FIELD WORK**4 Points Possible**

- Y N On Average, our laboratory travels for work (0)___Weekly___Monthly___Yearly___Never
When traveling to various locations for work, our laboratory primarily utilizes (*=sustainable options)
___UCar___Hybrid UCar___Carpooling* ___ Public
Transit*___Bike*___Foot*___Plane___Boat___Other___N/A
When traveling locally (Greater Seattle Area) or within the Pacific Northwest (WA, OR, ID, MT, BC, etc.)
our laboratory chooses a more sustainable option (*=sustainable options) (1)___UCar___Hybrid
UCar___Carpooling* ___ Public Transit*___Bike*___Foot*___Plane___Boat___Train___Other
- A S NE N/A Our laboratory attempts to consolidate trips when traveling (1)
- A S NE N/A Our laboratory uses videoconferencing or teleconferencing tools to conduct meetings, rather than traveling long distances (1)
- A S NE N/A Our laboratory maintains a strict Pack-In Pack-Out policy when doing fieldwork (1)

WATER CONSERVATION**3 Points Possible, 1 Bonus**

- A S NE Our laboratory members use water conservatively and report water leaks to Facilities Services when noticed (1)
- Y N N/A Our laboratory runs our dishwashers/autoclaves only when they are full (2)
- A S NE N/A Our laboratory limits water flow through lab faucets with aerators or water misers (BONUS 1)

BONUS Points for Innovation

Please describe any additional sustainable features of your laboratory that this certification program has not captured. (i.e. automatic fume hoods, aluminum foil recycling area, etc). (1 pt each, 5 pts max)

Innovation 1:

Innovation 2:

Innovation 3:

Innovation 4:

Innovation 5:

BONUS: Provide an email address a laboratory member of a different UW laboratory. (1 pt) If that laboratory applies and becomes a Certified Green Laboratory, your lab will receive 2 additional bonus points!

Notes & Comments:

Visit green.washington.edu/green-laboratory/resources for resources that will help your lab implement these criteria. The application form can be filled out at green-certification.uw.edu.