

Green Labs Program

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Green Labs Program Goals:

1. Increase energy efficiency in labs
2. Reduce waste - increase reusable behavior and raise awareness of recycling programs available
3. Increase participation in green purchasing



Energy Statistics

Total Campus Electricity:

50,464,000 kWh/yr

- Biomedical Facility: 2,305,077 kWh
- Earth and Marine Sciences: 4,505,294 kWh
- Natural Sciences II: 2,08,431 kWh
- Physical Sciences Building: 3,669,368 kWh
- Sinsheimer Labs: 3,368,357 kWh
- Thimann Labs: 2,111,479 kWh

All together the lab buildings make up 47.4% of total electricity usage on campus!



Fume Hoods

Keep Sash Below RED ZONE
RED ZONE For Hood Set-up Only!

KEEP SASH
AT OR BELOW
THIS LEVEL.



MORE SAFE, LESS ENERGY

SHUTS OFF
FAN MOTOR
WHEN SASH
IS DOWN.



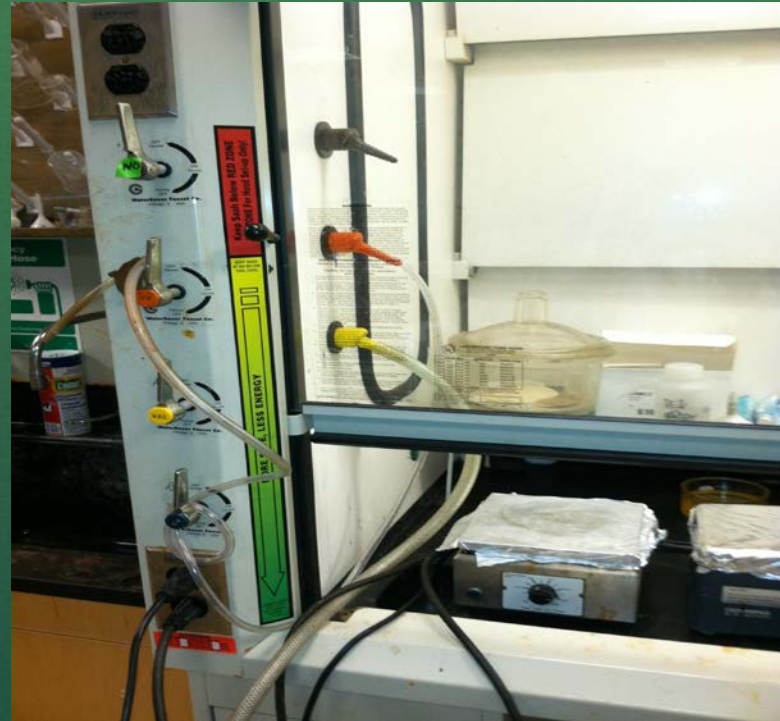
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Help Support UCSC and our Waste Reduction Goal

UC Office of the President has set a Zero Waste goal by 2020



How can we help reach this goal?

Waste Assessments (2011):

1. Labs produce around 12% of what is currently going in the trash campus-wide. Some of those items may very well be recyclable, the University just hasn't given you anywhere to put those items yet.

1. Identify areas for recycling:

- Styrofoam (20 yard)
- Pipette tip boxes (5,000lb)
- Clean Containers (1-200 lb)



Green Purchasing:

UCSC Procurement Department has the ability to negotiate contracts with vendors that have better prices, greener practice, and produce less packaging.

How do our campus labs tie into the bigger picture?

(Larger Campus & CA State Mandates)

- AB 32 – Global Warming Solutions Act and Cap and Trade Regulations
 - Goal of achieving 1990 emissions levels by 2020
 - Reporting requirement for relatively large emitters (UCSC Campus)
- UCOP – Policy on Sustainable Practices
- Our own campus commitments
 - CAP – Climate Action Plan
 - CSP – Campus Sustainability Plan



Green Lab Certification



Involvement would include:

1. Complete a online self-assessment (less than 20 minutes)
2. Participate in an on-site walkthrough assessment (approx. 45 minutes)
3. If necessary, make recommended changes to become certified or increase level of certification
4. Provide feedback on the process



*Upon completion: Certificate of achievement and special recognition signage for your laboratory

Questions, Concerns, and Comments?

Contact:

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Stakeholders:

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