



Campus Sustainability

Green Cleaning

University of California, Santa Barbara

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Campus Sustainability



UCSB commitment to sustainability

- All new construction programmed after July 1, 2004 must meet the USGBC LEED silver guidelines
- In the process of developing a campus sustainability plan
- Participated in a LEED for Existing buildings (LEED EB) pilot project



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Five Categories of LEED

1. Sustainable Sites
2. Water Efficiency
3. Energy Efficiency
- 4. Indoor Air Quality**
5. Materials and Resources

6. Innovation Credits





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Chancellor's green building policy states

“...We should continue to monitor and evaluate rating systems for new green buildings (and eventually existing buildings as LEED policies develop) to ensure that our campus makes use of the most environmentally sound and cost-effective rating system available.”

**- Chancellor Yang, UCSB Green Building Policy
July 2004**





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Custodial Commitment to Green Operations:

- Started with LEED EB project
- Worked with Buckeye on getting Green Seal approved cleaning reagents
- Educated custodians on the importance of greening our custodial operations





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What is Green Seal?

- Third party organization that certifies products that meet a stringent environmental criteria
- GS 37 is for cleaning reagents
- GS 37 looks beyond the chemical; also how it is packaged
- All UCSB main cleaning products meet the GS 37 standard





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Convincing Custodians to Use Green Seal

- Switched from non-Green Seal to Green Seal cleaners
- GS 37 cleaners were all the same colors as the non- Green Seal
- Glass cleaner was always Green Seal certified
- With a new product that did not look the same it would have been difficult to switch
- Once the switch happened and custodians realized the new chemicals cleaned just as well, there were no problems.



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Floor Cleaners

Zinc Free:

- LEED EB encourages floor strippers and finishes to be zinc free
- Buckeye supplies floor care that is zinc free, we tested it on a high traffic floor
- Found the only difference was the finish, a matte look vs. a polished look
- Strippers and finishes that are compatible is key

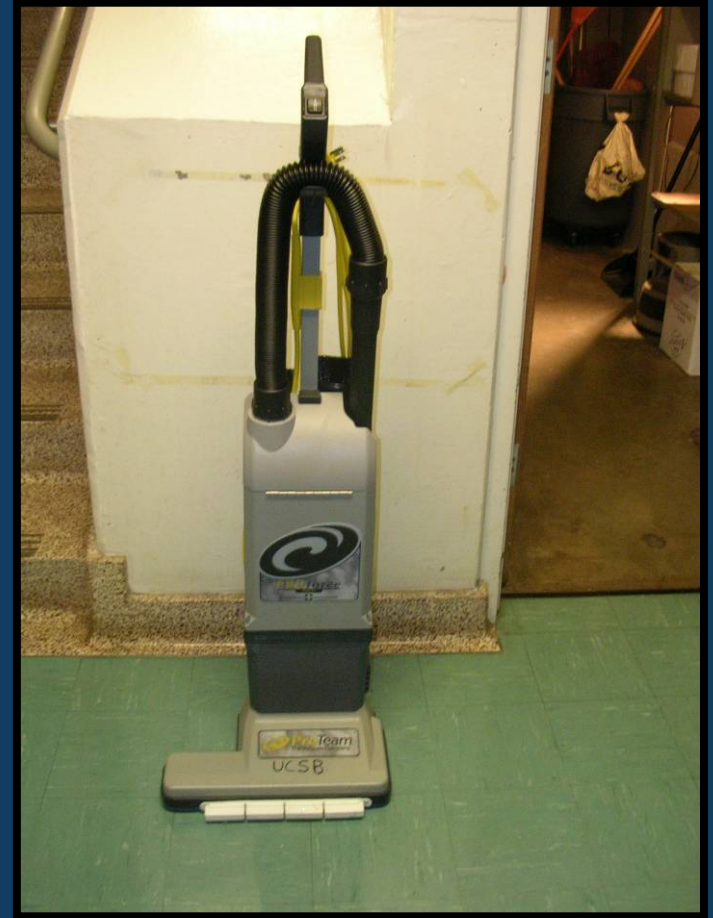




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Operations

- Purchasing vacuums with improved filters for better indoor air quality





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Operations

- Stopped using plastic bags in office pack (savings of \$30,000 a year)





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Operations

- Installed walk off mats at every main entry to reduce particulate matter





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Operations

- Developed a low-environmental impact cleaning policy (proportioning system)





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Operations

- Use high recycled content paper towels
- White paper (60% recycled content) and free of bleach
- Brown paper towels and toilet paper are made from 100% recycled content





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Waterless Urinals

- Waterless urinals are installed in about 10 campus buildings
- Important to train every custodian on how to maintain the urinals
- Less maintenance and easy to clean
- Encourage design and construction to install more waterless urinals in the new building
- Physical Facilities is retrofitting flushed urinals with waterless





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**For More information on Green
Custodial Operations:**

<http://sustainability.ucsb.edu/air/>

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