



MOLLOY COLLEGE

# Green Guide



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## Why Green Living?

Molloy College seeks to be a good role model in the community and inspire students to positively contribute to society.

The Molloy College website states: "A Molloy College education challenges students to...be aware of their responsibilities to preserve and protect the environment and to improve the quality of life for themselves and their neighbors in an ever-changing global society."

Why? Well, since energy on Long Island is mostly produced using fossil fuels, it make sense to use energy efficiently to reduce production of heat-trapping greenhouse gases. Also, recycling helps to reduce waste of resources. Finally, many products such as cleaners and pesticides may contain ingredients that are harmful to human health or the environment, so it is best to make use of effective alternatives whenever feasible.

The College has made various efforts to reduce its environmental impact, which are highlighted here. And, the campus is made up of students, faculty and staff, so all of us play a role in keeping the campus "green." Also, there are academic programs and activities you can be involved in to continue raising awareness.

One of the goals of Molloy's undergraduate curriculum is for students to "demonstrate social, political and ecological awareness and involvement." So let's get started!



## Recycling on campus:

Recycling bins are located in:

The Anselma room, Wilbur Arts Center Lobby, and elsewhere throughout campus.

### You can recycle:

- Plastic or glass bottles
- Cans
- Clean office paper
- Newspaper



Everything else, including paper drink boxes and napkins are trash.

*Note: Everyone is asked to properly separate recyclables from trash. All trash on campus is carted to a facility in Freeport where recyclables are sorted out, however, it is much easier when we pre-sort.*

## Conserving water:

You will notice that many of the restrooms on campus have been fixed with solar powered, touch-free, water conserving faucets. Self-foaming hand soap also helps minimize waste. Please only take the amount of paper you need to dry your hands, in order to save on resources.

New technology has mastered the use of waterless urinal. We have installed one at our Suffolk site for evaluation. If they prove successful we will begin to phase them in on the main campus. They are Energy Star and Green Seal approved.

On the main campus we have installed low water consumption flushometers in the restrooms. These units use half the water of the older units.

## Conserving energy:

In 2009, Molloy College purchased a full set of energy efficient LED (light emitting diode) holiday lights. These use 90% less energy than standard incandescent light bulbs.

The Public Safety and Maintenance



Departments have started to use hybrid vehicles and bicycles to patrol the campus. The use of these vehicles will reduce exhaust emissions and save on gasoline use.

Over the last ten years, we have converted the old fluorescent lighting in many areas to the new Energy Saver electronic ballasts and low mercury fluorescent tubes. This is an ongoing project, which is about 60 percent completed. We have recently received an energy grant from The New York State Energy Research and Development Authority (NYSERDA) to do lighting retrofits in Kellenberg Hall and the Casey Center. The retrofit consists of changing out the old fluorescent tubes and magnetic ballasts to new Energy Star electronic ballasts and T5 tubes. We plan to have this project complete by the beginning of the fall 2011 semester.

We have upgraded the HVAC units in the Quealy Gymnasium and Hays Theatre to more efficient units with outdoor economizers. Most of the air-conditioning equipment on the roof of the Wilbur Arts Center has been replaced with more efficient units.

### ***Future plans:***

- Upgrading the air-conditioning in the library
- Installing a new building management system (BMS) that will allow us to better monitor the heating and cooling within the existing buildings.

### **What Makes the New Buildings Green?**

The Public Square is a Leadership in Energy and Environmental Design (LEED) certified building. LEED is a standard set by the U.S. Green Building Council to ensure energy efficiency, use of recycled materials, indoor air quality, and water savings. The Residence Hall is not a LEED building however we used green building material whenever possible. The new buildings will also have a building management system installed in them.

### **Other Building Upgrades**

Over the past two years, we have started to remove the carpets from high traffic areas and installed vinyl



composition tile (VCT) in its place. The tile is easier to maintain, contaminants cannot get trapped within its composition, and the life expectancy for the tile is longer than carpet.

We are also testing the durability of a new type of flooring in the Casey Building's student lounge, Wilbur Arts Center lobby, and the elevators in the other three academic buildings. The flooring is made from all organic material, which gives it a GREEN rating.



## Green Cleaners on Campus

The College cleaning crew uses cleaners that are Green Seal certified. This means that they are low toxicity, do not contain ingredients that can trigger asthma or skin sensitization. They also do not contain any carcinogenic ingredients, heavy metals, or phthalates (which are hormone disruptors), and do not contain Volatile Organic Compounds (VOCs) that contribute to poor indoor air quality. Handsoaps in restrooms are also Green Seal.

We have installed a cleaning solution dispensing system in our janitorial closets that dispenses pre-measured cleaning solutions into a pump spray bottle and dilutes them with water. This eliminates the need for many aerosol products which are harmful to the environment.

We have moved away from using carpet shampoos which contain heavy amounts of chemicals. These shampoos have been replaced with a product that is Green Seal approved.

The grease trap system for the Anselma Room and the Maria Regina Hall kitchen have been treated with a natural enzyme product that dissolves grease, eliminates odors and renders the kitchen waste water environmentally friendly.

## Dining Goes Green

Lackmann Culinary Services does its part to be green as well. You will notice that in the Anselma Room cafeteria, salad containers are made of biodegradable material, as are coffee cups and soup bowls. Napkins are made with recycled paper. And, since meat has a higher environmental impact than plant-based foods, veggie burgers are always available at the hot counter

even if not listed on the daily menu. And of course there is the healthy salad bar. The Lackmann organization also uses locally sourced produce and ingredients whenever possible when creating recipes.



## Organic Land Care

Pesticides have many health effects, ranging from nerve toxicity to cancer, depending on the chemical. Some pesticides are also toxic to wildlife. Therefore, since 2008, Molloy has committed to organic lawn care for its grounds campus-wide and at off-site locations. This means that preventive measures are taken and that only natural fertilizers and other natural products are used. This builds a healthier turf system while protecting the environment.

All the trees and shrubs are sprayed three times a year to ward off fungus and disease. All sprays used for this purpose are all organic materials. The spraying takes place during off hours in an effort to restrict the general public from the spray mist.

As for indoor pest control, Molloy has been using Integrated Pest Management (IPM) for the past 5-8 years. IPM involves monitoring for pests, choosing least toxic pesticides when necessary, and not preemptively applying a chemical unless there is a problem.



## Tips for Living Green on Campus

Here are some ideas to help keep your residence hall room eco-friendly:

1. Use energy efficient light bulbs. Fluorescent light bulbs use 1/3 the energy of a typical incandescent bulb, and new LEDs use 90% less. Turn lights off when you're out.
2. Unplug laptops, fans, and other devices when not in use. Or even better, put them on power strips so you can turn off everything before you leave with one switch.
3. Refrigerators can be rented from the College, and they are Energy Star labeled.
4. Separate recyclables and deposit them in residence hall recycling bins.
5. Avoid plastic drink bottles and Styrofoam whenever possible; try to use a reusable container instead, and choose paper or biodegradable cups for events. Avoid microwaving food in plastic containers.
6. Look for organic cotton sheets and towels.
7. Choose bio-based cleaners and laundry detergent. Minimize use of antimicrobial soap that contains the chemical triclosan.
8. Find previously owned wall decorations and other items at [freecycle.org](http://freecycle.org)
9. To save paper, only print when necessary, and use both sides of the paper.
10. Properly dispose of hazardous items such as batteries, aerosol cans, or cell phones by contacting the Facilities Department at ext. 6375.





## Environmental Studies Major

Molloy College offers a Major in Earth and Environmental Studies (B.S.) Students take classes in Environmental Studies, as well as math, biology and chemistry. You can choose a concentration in either Environmental Science or Earth Science, which includes classes on geology and the Earth's atmosphere.

### The goals of the major are to:

- Encourage an appreciation for the classical approaches of scientific inquiry while implementing contemporary methodologies and techniques in the lecture and laboratory settings.
- Provide learning opportunities that encourage diversity of opinion, critical thinking and personal creativity in the service of scientific truth finding.
- Exercise the basic scientific principle that the study of similarities and differences among non-living things and living organisms facilitates a better understanding of our relationship with the universe.
- Provide evidence that human decisions and activities have had a profound effect on the diversity of species, the environment and evolution of the planet.

There is also an Environmental Studies and Earth Science Minor. Information about the major and minor can be found on the Molloy website, [Molloy.edu](http://Molloy.edu), under "Academics" and then "Undergraduate Majors."

## Sustainability Policy and Practices Minor

Understanding the principles of sustainability will be essential for developing solutions to many of the most critical issues facing the world in the coming decades. Problems like global warming, energy shortages, the availability and quality of fresh water and the need for jobs that can lift large parts of the world out of poverty without depleting vital natural resources are just a few of the complex, interrelated challenges we face in the 21st century. Minor classes include Sustainability



Policies, Sustainable Business, Sustainable Communities and several elective courses. Any major can be enhanced with the sustainability minor. For more information see the Molloy.edu website and search under “Academics” and then “Undergraduate Minors.”

## Sustainability Institute

The Sustainability Institute is Long Island’s first-ever venture housing sustainability education and policy analysis within an academic institution. The Sustainability Institute team provides community education, policy advocacy, and student education, including classes taught by Sustainability Institute staff. Contact the Sustainability Institute at the Molloy Suffolk Center, Farmingdale, at 516.678.5000 ext. 7562 or see [si.molloy.edu](http://si.molloy.edu).



## Earth Week

Each year in April, Molloy celebrates Earth week with a series of lectures, activities, contests, art exhibits, and more. Planning takes place throughout the year, so to join the committee contact the Sustainability Institute at 516.678.5000 ext. 7561.

## Get Involved in the Student Earth Club!

In April 2011, students formed a new club to spread awareness about environmental issues on campus and to organize events. The club plans to grow and expand its activities for the coming semesters, so get involved! Contact Club Moderator Beth Fiteni at [efiteni@molloy.edu](mailto:efiteni@molloy.edu). All clubs are listed on the Molloy website under “My Molloy.”

Every great movement starts with  
one good idea that brings people together.



## The Sustainability Institute at Molloy College

This is Long Island's first-ever venture combining sustainability education and policy analysis within an academic institution, focusing on our community's critical sustainability and "green living" challenges. Led by Neal Lewis, one of Long Island's foremost environmental leaders, The Sustainability Institute will not only educate, but also foster meaningful debate, drive viable solutions . . . and start a movement that will benefit us all. Visit [si.molloy.edu](http://si.molloy.edu) or call **516.678.5000, ext. 7562** to learn more.



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