

Welcome to Lesley's newest
innovative & sustainable buildings.

1 & 3 Wendell Street

Welcome **home**.

A guide to **sustainable** living

- * Designed to meet LEED® Gold Standards
- * Storm water control systems
- * Optimized energy performance
- * Optimized daylight & window configurations
- * Heat-reducing roofs
- * Water efficient landscaping
- * Water use reduction systems
- * Recycled & renewable building materials
- * Low emission paints, carpets and finishes
- * Interior thermal comfort systems
- * 75% of construction waste recycled by builders
- * Sustainably harvested wood



Lesley University
Office of Campus Planning

LESLEY UNIVERSITY
GREEN CAMPUS INITIATIVE
www.lesley.edu/info/greencampus



Welcome to your new home at 1 and 3 Wendell Street! Lesley's newest buildings (in fact the university's first ground-up new construction since 1973) are also its most innovatively and sustainably designed. This guide will introduce you to some of your new home's sustainable features and provide tips on how you can do your part to make Lesley even more "green."


Saving Energy

- * 1 & 3 Wendell use far less energy for heating and cooling. Although you can no longer see it, the 1 Wendell has a continuous layer of 3-inch spray foam insulation behind the facade's clapboard and brick. 3 Wendell's insulation is integrated into its exterior wall construction with a layer of rigid foam under the clapboards, more than twice the code requirements.
- * Both buildings have continuous air barriers that reduce air infiltration through the exterior walls. Spaces between the windows and walls were sealed with foam for further tightening. Selected walls were field tested with tracer smoke to check for air tightness. Better air tightness translates to increased energy efficiency.
- * Both buildings have light colored roofs which reflect sunlight away from the building, reducing the "heat island effect" cause by most buildings and paved surfaces.
- * Both buildings have mechanical systems that separate the ventilation system from the heating and cooling systems. This means that you always get an appropriate amount of ventilation air and thermal comfort. The small grill above your door supplies tempered fresh air to your room. The white cover over your window houses a unit that heats and cools hydraulically, with water instead of air (energy is transported more efficiently by water than air).
- * The ventilation systems utilize heat recovery wheels located on the roof to re-capture warmed or cooled air from the building.
- * Chillers and boilers were selected for their efficiency, and Lesley received "green rebates" from utility companies.
- * A "smart control system" ensures that heating, cooling and ventilation systems are powered off when not needed. Unlike most buildings that are controlled by "zones" (meaning that the thermostat might be in your neighbor's room, and you are subject to their definition of thermal comfort), every room at 1 & 3 Wendell has its own space sensor so that heating and cooling energy is distributed only where required. The silver cover above your light switch contains a space sensor that communicates with a central computer, telling the valance unit in your room when to turn on or off.

- * High-efficiency electric lighting uses 0.65 watts per square foot (typical dorms use 1 watt per square foot for lighting).
- * Lighting in common areas and bathrooms is controlled by a combination of occupancy sensors and daylight sensors to keep lights off when they are not needed. These are the funny looking sensors you see on the ceilings. The building was designed with shallow floor plates so that daylight reaches more space, eliminating the need for electric lights most of the day. Lights in your room are controlled by switches. Although the lighting is efficient, "off" is the most efficient. Turn you lights off when you don't need them!
- * Operable windows are located in every occupied space to provide cross ventilation, and connection to the outdoors. A constant supply of 100% outdoor air is mechanically provided to all spaces when the building is occupied.
- * 1 & 3 Wendell are close to the MBTA Red Line, MBTA buses and the Lesley Shuttle. Bike racks are provided on the site and sidewalks. Choose to walk, bike, or take mass transit!

Conserving Water & Resources

- * Water-conservation fixtures yield a 40% reduction in water use compared to a standard dormitory.
- * The toilets in both buildings are dual flush. Press the flush valve DOWN for a small flush of 1.1 gallons, and UP for a full flush of 1.6 gallons.
- * The shower heads were regulated at the factory for a flow of 2.0 gallons per minutes, instead of the normal 2.5 gallons per minute. Faucets also have aerators and flow regulators.
- * Please recycle your paper, glass, aluminum, and other recyclable materials. Bins are placed throughout the building to assist in this effort.



For more information on other sustainability initiatives at Lesley, please visit:

www.lesley.edu/green