

## Office of Residence life Baldwin Wallace University



**R. Amelia Harding House for Sustainable Living** received LEED Gold Certification from the USGBC (United States Green Building Council). LEED, which stands for Leadership in Energy and Environmental Design, is an internationally known green building certification system established in 2000. The certification promotes sustainable building practices and the creation of environments that everyone can enjoy. The LEED Certification evaluation process can take up to two years.

Some of the green elements in R. Amelia Harding House include:



- A kitchen equipped for preparing meals with vegetables and herbs grown in the building's 11 raised garden plots
- A 400 square ft. "green roof" contributing to the environmental performance of the building: insulation for both heating and cooling, reduction in water runoff, increased lifespan of the roof and added aesthetic value
- Energy efficient washing machines which provide substantial water savings
- Building meters to monitor the flow of electricity and water. (Two LUCID Energy Display boards are available for students to monitor their daily energy usage.)
- Roof solar panels and a straw bale shed supply electricity to the building
- Native Ohio species in the landscape (bioswales/rain garden)
- 46 Mitsubishi variable refrigerant flow split systems for heating and cooling
- Low water flow showerheads
- Straw bale gardening shed
- Greenhouse
- Four rain barrels made from repurposed whiskey barrels
- Permeable paver parking lot
- Indoor bike storage facility
- Two reverse osmosis water filters
- Two Max-R customized recycle bins



There are several factors taken into account when a building is considered for a LEED rating. Some of these factors include:

- How sustainable the city and the surrounding environment are
- How water efficient the building is
- How energy efficient the building is
- The type of atmosphere the building creates
- The types of materials and resources utilized in the building's maintenance and construction
- The number of low emitting agents used (e.g. Low VOC paints and coatings)
- Innovation in building design



