LEED CERTIFICATION


West Hall is currently in the Construction Phase of the USGBC review process. The University has targeted the goal of LEED Gold for this building.

PROJECT TEAM

ARCHITECT: EINHORN YAFFEE PRESCOTT
M/E/P ENGINEER: EINHORN YAFFEE PRESCOTT
STRUCTURAL ENGINEER: CAGLEY & ASSOCIATES
CIVIL ENGINEER: A. MORTON THOMAS & ASSOCIATES
CONSTRUCTION MANAGER: DONOHOE CONSTRUCTION COMPANY
SUSTAINABILITY CONSULTANT: S.D. KEPPLER & ASSOCIATES

FOR MORE INFORMATION ON GW’S SUSTAINABILITY EFFORTS, PLEASE VISIT WWW.SUSTAINABILITY.GWU.EDU
WELCOME TO WEST HALL, THE GEORGE WASHINGTON UNIVERSITY’S LEED RESIDENCE HALL AND CAMPUS LIFE CENTER ON THE MOUNT VERNON CAMPUS

We are pleased to be able to share this unique ‘green’ experience with you. Please acquaint yourself with the building and grounds by following the keyed map and signage throughout the building.

1. WATER EFFICIENT LANDSCAPING: By selecting native and adaptive plant species that require little or no irrigation after initial establishment, we are able to eliminate the need for a permanent irrigation system, thus reducing our consumption of potable water. (Water Efficiency Credit)

2. DAYLIGHTING: Innovative ways to bring daylight into the lower levels of the building include: the use of solar light tubes which transport and distribute natural light between the exterior plaza level and B1 level and the use of structural glass walkways and light wells on the B1 level to allow light to spill over into the B2 level. (Indoor Environmental Quality Credit)

3. ENERGY PERFORMANCE: By optimizing energy performance through strategies such as highly insulated exterior wall systems, energy efficient windows with double pane, low-E glass, and highly reflective roofing material (with a Solar Reflectance Index ≥ 78), we are able to improve our energy performance by 30.3% over the ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers) standard for residential buildings. (Energy and Atmosphere Credit)

4. CONSTRUCTION INDOOR AIR QUALITY MANAGEMENT: Prior to occupancy, the building was thoroughly ventilated (at a rate of 14,000 cubic feet of outside air per square foot of interior space) to ensure compliance with EPA standards for contaminants such as Formaldehyde, Volatile Organic Compounds (VOC), and Carbon Monoxide. (Indoor Environmental Quality Credit)

5. LOW-EMITTING MATERIALS - PAINTS: Low VOC (Volatile Organic Compounds) paints, which meet the Green Seal Standards, were used throughout the building to reduce odor and irritation from indoor air contaminants and to ensure the well-being of all occupants. (Indoor Environmental Quality Credit)

6. LOW-EMITTING MATERIALS - CARPET: The carpet tile used in this building is certified climate neutral, Cool Carpet, which zeros out all GHG (greenhouse gas) emissions associated with the entire lifecycle of the carpet. It also meets the testing and product requirements of the Green Label Plus program and was installed using low VOC adhesives. (Indoor Environmental Quality Credit)

7. STORAGE AND COLLECTION OF RECYCLABLES: Recycling facilities are provided in all public areas as well as in trash rooms located on each residential floor. In addition, a central recycling area is located in the service bay. During demolition and construction, the contractor was able to recycle and/or salvage over 90% of the construction and demolition waste. (Materials and Resources Credit)

8. ENERGY STAR APPLIANCES: The national standard for energy efficient consumer products is the Energy Star logo. Our Energy Star appliances, such as refrigerators, dishwashers, and washing machines will use an average of 20-30% less energy, leading to a reduction in our greenhouse gas emissions. (Innovation in Design Credit)

9. WATER USE REDUCTION: The average daily usage of water per person in the US is over 70 gallons. By implementing water saving strategies such as low-flow faucets, toilets, and showers, we expect to decrease our water usage in this building by a minimum of 50% over the baseline standard for residential buildings. (Water Efficiency Credit)

10. ALTERNATIVE TRANSPORTATION - BIKE STORAGE / FEV PARKING: Secure covered bike storage has been provided (on B1 and B2) for 15% of the residential building occupants and 5% of the non-residential visitors (a total of 55 spaces). In addition, changing/shower facilities have been provided in the Fitness Center. The existing parking area (accessible from B1) now has 2 priority parking spaces reserved for fuel efficient vehicles (FEV) and 8 outdoor bike parking spaces. (Not shown on map) (Sustainable Sites Credit)