LEED CERTIFICATION


South Hall is currently in the Design Phase of the USGBC review process. The University has targeted the goal of LEED Silver for this building.

PROJECT TEAM

OWNER: The George Washington University
ARCHITECT: AECOM / CGS (joint venture)
MECHANICAL ENGINEER: AECOM
STRUCTURAL ENGINEER: Cagley & Assoc. Inc.
CIVIL ENGINEER: A. Morton Thomas Assoc. Inc.
CONTRACTOR: Clark Construction Group
SUSTAINABILITY CONSULTANT: GreenShape

FOR MORE INFORMATION ON GW’S SUSTAINABILITY EFFORTS, PLEASE VISIT WWW.SUSTAINABILITY.GWU.EDU.

KEY LEED STRATEGIES

SUSTAINABLE SITES
- Access to public transportation
- Bike storage
- Priority parking for carpool and hybrids
- Mitigation of roof and non-roof heat island effect

WATER EFFICIENCY
- No permanent irrigation system due to use of native and adaptive plants
- Low-flow plumbing fixtures

ENERGY AND ATMOSPHERE
- Optimize energy performance
- Purchase of green (wind) power
- Building commissioning and refrigerant management

MATERIALS AND RESOURCES
- Collection and storage of recyclables
- Construction waste management
- Recycled content and local and regional materials

INDOOR ENVIRONMENTAL QUALITY
- Walk off mats at entrances
- Low VOC (volatile organic compounds) paints, coatings, adhesives, sealants, and carpet
- Thermal comfort design and verification (survey)

INNOVATION IN DESIGN
- Exemplary performance for views, underground parking, access to public transit, and purchase of green (wind) power
- Green housekeeping
- Energy Star appliances

SELF-GUIDED GREEN TOUR

THE GEORGE WASHINGTON UNIVERSITY’S FIRST LEED RESIDENCE HALL

SOUTH HALL
2135 F Street, NW

Office of Facilities | 2025 F Street, NW, Suite 215 | Washington, DC 20052

This brochure was printed on 100% recycled paper
Welcome to the George Washington University's First LEED Residence Hall. 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 **IRRIGATION**: By selecting native and adaptive plants that require little or no irrigation after initial establishment, we were able to eliminate the need for a permanent irrigation system, thus reducing our consumption of potable water.

2 **BIKE STORAGE / FUEL EFFICIENT VEHICLE PARKING**: Secure bike storage has been provided within the garage for 15% of the building occupants (72 spaces). In addition, there are 9 priority parking spaces for low emission and fuel-efficient vehicles.

3 **INDOOR AIR QUALITY**: Prior to occupancy, rigorous air quality testing was completed to confirm compliance with EPA standards for contaminants such as Formaldehyde, Volatile Organic Compounds (VOC), and Carbon Monoxide.

4 **LOW VOC PAINTS**: Low VOC (Volatile Organic Compounds) paints, which meet the Green Seal Standards, were used throughout this building to reduce odor and irritation from indoor air contaminants and to ensure the well-being of all occupants.

5 **BAMBOO PANELING**: The use of rapidly renewable materials is one of the goals of the LEED rating system. Bamboo is one of the fastest growing woody plants in the world, making it an ideal sustainable alternative to typical hardwoods.

6 **RECYCLING**: Recycling facilities are provided in all public areas as well as within trash rooms located on each residential floor. In addition, a central recycling area is located in the service bay adjacent to the garage entrance. During construction, the contractor was able to recycle and/or salvage 60–70% of the construction waste.

7 **LOW-FLOW PLUMBING FIXTURES**: 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 30%.

8 **CARPET TILE**: 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 is installed using low VOC adhesives.

9 **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 on average of 20%-30% less energy, leading to a reduction in our greenhouse gas emissions.

10 **BUILDING ENVELOPE**: By optimizing energy performance through strategies such as highly insulated wall systems, energy efficient windows with double pane, low-e glass, and an Energy Star white roof, we are able to improve our energy performance by 24.5% over the ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers) standard for residential buildings.