



GEORGE W. BUSH
PRESIDENTIAL CENTER

Earning LEED Certification

The George W. Bush Presidential Center earned Platinum certification by the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEEDTM) program in March 2013. The LEED building certification program encourages the use of designs, materials and systems that are sustainable, energy efficient and reduce a facility's impact on the environment and human health. The Bush Center is the first presidential library to achieve LEED Platinum certification under New Construction (v2009).

LEED Features:

- Certification: Platinum (highest attainable)
- Site Development:
 - Restored habitat by planting more than 70 percent of site (17.6 acres)
 - Reduce "heat island" effect using materials with Solar Reflective Index of at least 29
- Construction and Materials:
 - 20 percent recycled materials, majority of construction waste diverted from landfills
 - Low-VOC-emitting products and finishes to maintain high indoor air quality
 - Regionally sourced materials:
 - Texas Cordova cream limestone walls, trim and coping – 150 miles
 - Permian sea coral limestone water table from near the Bushes hometown of Midland, Texas, – 150 miles
 - Lueders paving – 150 miles
 - Burlington blend brick – under 500 miles
 - Texas mesquite hard wood floors – 200 miles
 - Stained pecan interior paneling – 200 miles
 - Trees from Central Texas – 100 miles
- Hydrology:
 - Facility water use reduced by up to 40 percent
 - Water efficient landscaping:
 - 252,000-gallon irrigation cistern for pre-treating rain water before storage
 - Storage of rain water to meet 50 percent of site irrigation demands
 - Native plants, which require less water than non-native species
- Energy Efficiency:
 - Green roof systems: 1,550 square feet in three areas, reducing cooling and heating demands
 - Solar hot water system: 2,500 square feet of panels with 1,800 gallons storage capacity, supplies 100 percent of the Bush Center's domestic hot water
 - Solar photovoltaic system: 19,000 square feet of panels, capable of generating 164 kilowatts or 9.5 percent of the Bush Center's energy demand
 - High-performance, low-iron insulated glazing units to reduce heating and cooling loads
 - High-efficiency HVAC systems to reduce energy demand
 - Deep exterior overhangs to shade Bush Center building
- Alternate Transportation:
 - Near Dallas Area Rapid Transit light rail and bus service
 - Parking designated for low-emission, fuel-efficient and carpool vehicles

For more information, please visit the Bush Center online at www.bushcenter.org, or connect with us on Facebook (www.facebook.com/TheBushCenter) and Twitter (www.twitter.com/TheBushCenter).