

PROJECT PROFILE

Johnson Space Center Building 265A Houston, Texas

LEED for New Construction

34% Regional Materials

35% Recycled Content

50% Tradable Renewable Certificates

81% Waste diverted from landfills

91% Occupants have daylight views

LEED® Facts

NASA Johnson Space Center
Building 265A
Houston, TX

LEED for New Construction version 2.1 -
Certification Awarded April 2010

Gold **37***

Sustainable Sites 7/14

Water Efficiency 2/5

Energy & Atmosphere 7/17

Materials & Resources 7/13

Indoor Environmental Quality 9/15

Innovation & Design 5/5

*Out of a possible 69 points

PROJECT PROFILE

NASA Johnson Space Center – Building 265A Sourcing NASA's workforce



PROJECT DESCRIPTION

NASA JSC Building 265A is an addition to building 265, and has a total of 5,400 square feet. The new addition features two open areas, enclosed office spaces, and 4 conference rooms. Building 265A was awarded 37 credits and earned the LEED Gold certification. Buildings 265 and 265A are some of the buildings at JSC used to evaluate NASA's contractual opportunities.

SUSTAINABLE SITES (7/14)

Building 265A bicycle storage facilities have been provided to serve 5% of FTE and Transient building occupants, measured at peak occupancy, and shower facilities for 0.5% of the FTE and Transient building occupants. 2 preferred parking spaces for low-emitting and fuel efficient vehicles have been provided on site which represents 5% of the total onsite parking, and no new parking spaces have been created. Roofing materials used on the project have a minimum SRI value of 81 for 100% of the roof surface.

WATER EFFICIENCY (2/5)

Native/drought-tolerant plants have been installed on the site, only requiring watering during the initial plant establishment period.

ENERGY & ATMOSPHERE (7/17)

The project complies with all the prescriptive measures of the ASHRAE Advanced Energy Design Guide for Small Office Buildings 2004. The project selected refrigerants and HVAC equipment that minimize or eliminate the emission of compounds that contribute to ozone depletion and global warming. 100% of the building's electricity usage (based upon default energy consumption) is being provided by renewable sources and is engaged in a 2-year renewable energy contract. The submitted documentation states that FPL Energy Power will provide green power equal to 100% of the building's total annual electric energy usage, the term and copy of the contract, and a narrative.

MATERIALS & RESOURCES (7/13)

The project has diverted 114 tons (81.4%) of on-site generated construction waste from landfill. 34.6% of the total building materials content, by value, have been manufactured using recycled materials. 33.9% of the total building materials value is comprised of building materials and/or products that have been extracted, harvested or recovered, as well as manufactured within 500 miles of the project site.

INDOOR ENVIRONMENTAL QUALITY (9/15)

Low emitting adhesives, sealants, paints, coatings, carpets, composite wood, and agrifiber used in construction comply with VOC limits. Lighting and thermal controls have also been provided. The project has provided direct line of sight views to daylight for 91.4% of all regularly occupied areas.

INNOVATION IN DESIGN (5/5)

The project received exemplary performance for its innovation in maximizing open space, use of recycled materials (35%), and for providing Green Power for a 2-year period.

"Employees at various times of their careers will use the building to evaluate which opportunities are in the best interest of NASA to pursue. The building must require a lot of flexibility for occupants of various divisions to use."

Laurie Peterson,
JSC Sustainability Champion



Owner: NASA, Johnson Space Center
Architect: PDG Architects
Structural Engineer: Paul Wottring & Associates
MEP Engineer: WSP Flaack & Kurtz
Commissioning Authority: Page Sutherland Page
Contractor: Centennial Construction
Project Size: 5,400 SF
Project Cost: \$1,317,846
Completion: October 2009
Photography: NASA

ABOUT LEED

The LEED Green Building Rating System is the national benchmark for the design, construction, and operations of high-performance green buildings. Visit the U.S. Green Building Council's Web site at www.usgbc.org and the TX Gulf Coast Chapter of USGBC at www.usgbc-texasgulfcoast.org to learn more about how you can make LEED work for you.