

# woodward

## PROJECT PROFILE | WOODWARD DESIGN+BUILD HEADQUARTERS



### Project Team

#### CLIENT

Woodward Design+Build

#### ARCHITECT

Woodward Design Group

#### PROJECT MANAGEMENT

Woodward Design+Build

#### CONTRACTOR

Woodward Design+Build

#### MECHANICAL & PLUMBING

MCC Group

#### ELECTRICAL

Northside Electric

#### STRUCTURAL

Woodward Engineering Group

#### COMMISSIONING

Heapy Engineering

#### SUSTAINABILITY CONSULTANT

Woodward Design+Build  
Green Initiative

**W**oodward Design+Build's Headquarters, completed in October 2011, is a 45,000 square foot mixed use office building located in the center of New Orleans, Louisiana. As a regional leader in sustainable building, Woodward's new building was thoughtfully designed to embody the company's commitment to sustainability. A collaborative design process has resulted in a building that accommodates the company's current and future needs while striving to meet high standards in accordance with the U.S. Green Building Council's LEED rating system.

## Project Profile: Woodward Design+Build Headquarters

### SUSTAINABLE SITES

Centrally located in New Orleans, Woodward's new headquarters was built on a previously developed site of the former Goodwill building. The site provides convenient access to a multi-modal transportation system that includes the Jefferson Davis Parkway bike path and RTA buses equipped with bike racks. Oriented to maximize natural lighting while minimizing solar heat gain, Woodward's contained building footprint includes efficient under-building parking. The inclusion of street-level retail space engages the site with the surrounding area, contributing to a more pedestrian-friendly, connected community.

### MATERIALS AND RESOURCES

As an industry leader, Woodward made a concerted effort to choose sustainable materials and reduce waste during construction. 10% of all materials used in construction are recycled or recyclable and 20% are regional, sourced from within 500 miles of the construction site. Additionally, little waste was generated during demolition of the former Goodwill building that existed on the site. The predominantly steel and concrete structure was easily recycled. Overall, 54% of construction and demolition waste was diverted from landfills to be recycled, reused, or composted. In its daily operations, Woodward has achieved a 75% rate of recycling waste office-wide.

### INDOOR ENVIRONMENTAL QUALITY

Woodward's commitment to sustainability extended to the building's indoor environment, where environmentally conscious measures translate to the comfort and well-being of company employees. Low-emitting materials, including paints and coatings, flooring, composite wood, adhesives, and sealants, were used during construction of the building's interior. Heating, ventilating, and air conditioning systems are designed for thermal comfort with controllability for users in individual offices, meeting rooms, and open working areas.

### ENERGY AND ATMOSPHERE

The new headquarters boasts the largest photovoltaic panel system in New Orleans. During the month of June 2012 alone, the building's 277 solar panels generated 9.81 MWh of energy, a carbon offset equivalent to planting 174 trees. The 1800 square foot green roof enjoyed by company employees, coupled with the highly reflective roof coating, reduce the building's heat island effect. In total, the new headquarters has seen a 65% reduction in CO<sub>2</sub> emissions, 34.06% in overall energy savings, and 34.5% in overall cost savings.



*Solar panels help supply the building's energy needs and actually send surplus energy back into the grid.*

### WATER EFFICIENCY

In an office that houses 105 people, 250 days per year, careful measures were taken to achieve a 36% reduction in domestic water use. 1.28 gallon per flush water closets, .1-1 gallon per flush urinals and water efficient sinks help reduce Woodward's daily use of the city's water supply. Use of native plant species requiring less water and a low pressure irrigation system make up the building's water efficient landscaping.

### PROJECT DETAILS

- \* Building type: Commercial office with retail
- \* Location: New Orleans, LA
- \* Owner: Woodward Design+Build
- \* Construction: August 2010 to October 2011
- \* Size: 45,032 square feet
- \* Occupants: 105

### BUILDING HIGHLIGHTS

- \* 36% reduction in domestic water use
- \* 75% office-wide recycling rate
- \* Over 20% of the total building energy usage offset by PV Panel System
- \* 54% C&D waste diversion rate
- \* Building orientation maximizes day lighting