



# GREEN BUILDING TOURS

October 9, 2015



## BBVA Compass Stadium Houston, Texas

LEED NC Silver

87% Construction Waste  
Diverted

41% Water Use Reduction

20% Energy Use Reduction

98% FSC Certified Wood

## LEED® Facts

BBVA Compass Stadium  
Houston, TX

LEED for New Construction v2009  
Certification awarded December, 2012

Silver 50\*

Sustainable Sites 20/26

Water Efficiency 4/10

Energy & Atmosphere 5/35

Materials & Resources 7/14

Indoor Environmental Quality 6/15

Innovation & Design 6/6

Regional Priority 2/4

\*Out of a possible 110 points

# PROJECT PROFILE

## BBVA Compass Stadium: Houston Dynamo, Dash, & TSU

# First LEED New Construction Sports Stadium in Houston

### Working Together

BBVA Compass Stadium continues to build upon their environmental successes and will be focused on engaging fans in the stadium's environmental program through GreenStar Recycling's "Building a Better Planet" program along with their partner BBVA Compass. These programs encourage recycling during games and raise environmental awareness throughout the community.

### LEED SOLUTIONS

#### SUSTAINABLE SITES (20/26)

Located in downtown Houston, the project utilizes existing infrastructure, is on the light rail and bus services, and near dense residential districts. ■ Located on a site of a previous brownfield ■ Provides 6% preferred parking for low-emitting vehicles ■ Heat Island Effect Roof and Non-Roof mitigation incorporated

#### WATER EFFICIENCY (4/10)

■ Low-water use plumbing fixtures and automatic shut-off faucets are used throughout, reducing water use by more than 41% from the baseline case.

#### ENERGY & ATMOSPHERE (5/35)

■ 20% Savings between the proposed design and the baseline design for this new project.

#### MATERIALS & RESOURCES (7/14)

■ 37% of the total building materials content, by value, has been manufactured using recycled materials. ■ 22% of total building materials have been manufactured within 500 miles of the project site. ■ 86% of on-site generated construction waste was diverted from landfills.

#### INDOOR ENVIRONMENTAL QUALITY (6/15)

■ Low VOC paints and adhesives were used throughout the project. ■ All carpet is CRI Green Label Plus. ■ All composite wood, agrifiber products, and laminate adhesives used in the building contain no added urea-formaldehyde resins ■ Construction and Before Occupancy Construction IAQ Plans were implemented.

#### INNOVATION IN DESIGN (6/6)

■ Exemplary performance of Public Transportation Access. ■ Exemplary Performance for incorporating recycled content materials. ■ Exemplary Performance for incorporating regional materials. ■ Systems Furniture and Seating has been Greenguard Certified as Low-Emitting. ■ A Green Cleaning Policy has been implemented. ■ LEED Accredited Professional involved in project.

### ONGOING WORK

Showing commitment to educate the public about reducing our environmental impact with the following:

#### Accomplishments

Waterless urinals and low-flow fixtures saving 40% of water usage each year.

Energy efficient lights and fixtures saving 20% of energy usage each year.

In-stadium recycling and diversion plan.

Bio-diesel lawn care equipment.

Actively encourage alternative transportation to stadium events.

Organic gardening practices for select stadium food items.

#### Goals

Increase diversion rate by 10% each year via recycling, composting and other means.

Increase energy efficiency by 5% each year.

Decrease water usage via reclamation and efficiency each year.

Create awareness of green initiatives via stadium events and partnerships.

Increase food production of locally grown organic products for stadium usage.

"BBVA Compass Stadium's LEED® Silver certification demonstrates leadership and a true commitment to give back to their community. Their commitment to continually improve their environmental performance through the AEG 1EARTH program and their partnership with Houston Dynamo's "Building a Better Planet" will ensure that the environmental benefits of the stadium will be enjoyed by the community for generations to come.."

- Jennifer Regan, Global Sustainability Director, AEG



**Owner:** Harris County-Houston Sports Authority

**Architect:** Populous

**General Contractor:** Manhattan Construction

**MEP Engineer:** me Engineers

**Structural Eng.:** Walter P Moore

**Civil Engineer:** Ward, Getz & Associates

**Landscape Architect:** Clark Condon

**Commissioning Agent:** AEI Engineering

**Project Size:** 340,000 SF

**Total Project Cost:** \$95 million

Photography BBVA Compass Stadium

### 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](http://www.usgbc.org) or [www.usgbc.org/texasgulfcoast.org](http://www.usgbc.org/texasgulfcoast) to learn more about how you can make LEED work for you.

