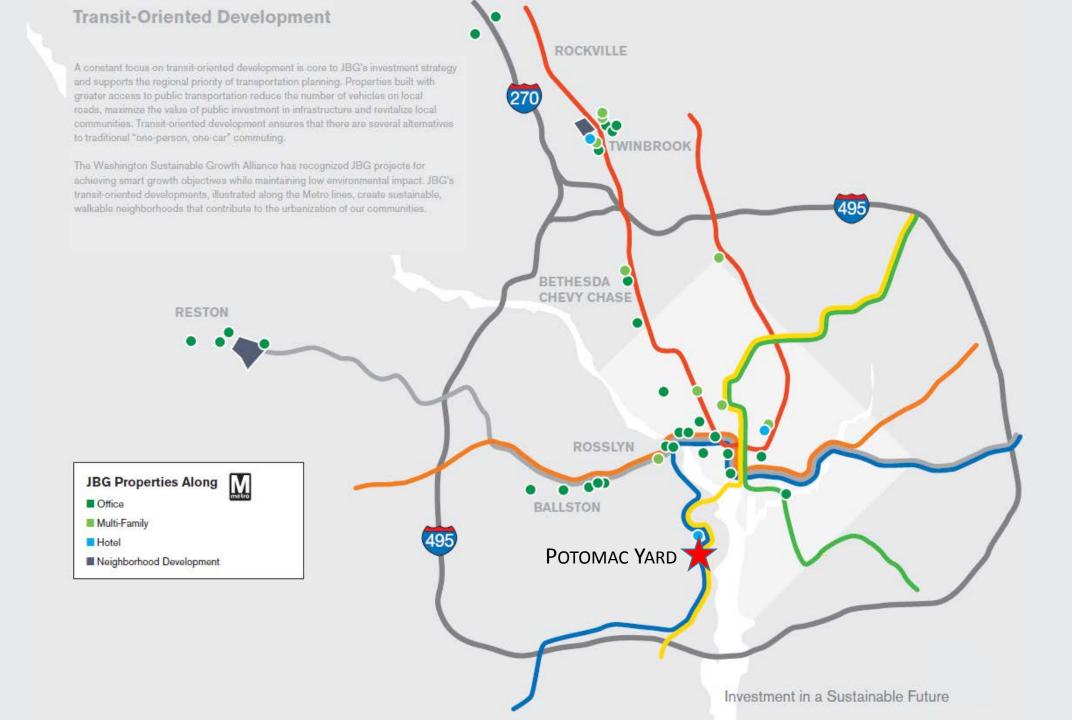


POTOMAC YARD | PARCEL ONE REDEVELOPMENT

Sustainability

January 31, 2017



Commitment Over Time



JBG joins USGBC as a corporate member.







JBG Corporate Headquarters is certified LEED Platinum for Commercial Interiors



JBG is awarded the NAIOP National Sustainable Development of the Year for its LEED Gold certified National Cancer Institute

LEED for Existing

Buildings Volume

which is used to

certification of the

commercial portfolio

streamline the

Prototype achieves

Platinum Certification

of the nation's Top 5 Greenest Companies in Commercial Real Estate by Commercial Property Executive

JBG named one

2006



Twinbrook Station wins International Charter Award for Excellence from the Congress for New Urbanism

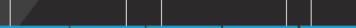
2005



JBG earns its first LEED Core and Shell certification under USGBC's Pilot Program at 500 12th Street, NW

2008

JBG hires its first Director of Sustainability



Cumulative





2010

2011

2012

2013

2014

2015

LEED Projects

2004



JBG earns first ENERGY STAR

2007



Twinbrook Station mixeduse master plan certified Gold under the LEED for Neighborhood Development Pilot Program



JBG earns its first LEED Gold Existing Buildings certification for DOT



JBG delivers its first LEED Gold certified hotel, the Potomac Yard Marriott Renaissance and Residence Inn

JBG joins the Department of Energy Better Buildings Challenge



JBG delivers its first LEED Gold certified multi-family project, Sedona | Slate

labels at commercial buildings 1801 North Lynn Street (shown) and DOT

> JBG installs electric vehiclecharging stations at locations throughout the area



LEED® Certifications

15,366,300 SF



7,678,800 SF Office 21 projects



6,145,000 SF Mixed-Use Master Plan (Neighborhood Development) 2 projects



982,500 SF Multi-Family



560,000 SF Hotel





ENERGY STAR® Certifications

6,868,380 SF



1,978,340 SF Virginia





2,663,270 SF Washington, DC





2,226,770 SF Maryland



Changes to LEED

	New Requirements Added	Previous Credits Now Required	Previous Credits Made More Stringent
Location & Transportation (New Category Added)	✓		
Site Sustainability			\checkmark
Water Efficiency	✓	✓	✓
Energy & Atmosphere	\checkmark	✓	✓
Materials & Resources	✓		✓
Indoor Environment			✓
Innovation & Design			✓

Select Major Changes

	New Requirements Added	Previous Credits Now Required	Previous Credits Made More Stringent
Water Efficiency	 Must reduce landscape water use by 30% Must be capable of measuring whole building water use 	Must use 20% less water than baseline	 Water savings credit increased from 20% less water than baseline to 30% - 40% less than baseline Outdoor water use reduction credit requires 50% reduction in landscape water use Indoor water use reduction credit requires WaterSense labels on certain fixtures and fittings
Energy	 Must be capable of measuring whole building energy use Engage Commissioning Authority by end of design development phase End-uses that represent 10% or more of the total energy consumption must be metered. Meters must be connected to building automation system. 	 Updated reference standards from ASHRAE 2004 to 2010 Results in baseline required energy savings of ~23% for office, ~22% for retail, and ~8% for residential 	 Minimum energy cost savings increased from 10.5% to 12%

Central Place Residential Case Study

Building Overview

- Built directly adjacent to new Rosslyn Metro Entrance
- 377 Apartments
- 35k SF Retail
- 30 floors 350' tall
- Designed in 2008 by Beyer Blinder Belle

LEED Certification Level:		
When designed (2008) – LEED v2	Silver	
When built (2014) – LEED v3	Certified	
If built in 2019 – LEED v4	Not Certified	

