

CASE STUDY



**LEED Facts: CS v2.0**

Certification awarded: April 22, 2016




<b>Gold</b>	<b>35 *</b>
<b>Sustainable Sites</b>	<b>4/15</b>
<b>Water Efficiency</b>	<b>3/5</b>
<b>Energy &amp; Atmosphere</b>	<b>9/14</b>
<b>Materials &amp; Resources</b>	<b>7/11</b>
<b>Indoor Environmental Quality</b>	<b>9/11</b>
<b>Innovation</b>	<b>3/5</b>

*\*out of a possible 61 points*

# 7880 Milestone Parkway

Arundel Preserve Office Park

This project has saved:

-  517,329 kWh/year
-  374,823 Gallons/year
-  80 Tons of Waste

Owner:  
**Corporate Office Properties Trust**

General Contractor:  
**Harvey Cleary Builders**

Architect:  
**Powers Brown Architecture**

Civil:  
**Bay Engineering, Inc.**

MEP:  
**TAI Engineering**

Energy Modeling:  
**Sustainable Building Partners**

LEED Consultant:  
**Lorax Partnerships**

## PROJECT STORY

The Corporate Park at Arundel Preserve features distinctive Class A office buildings on wooded sites with frontage on MD Route 295 and Milestone Parkway. The Park features abundant landscaping, outdoor gathering areas and signature artwork. All buildings in the Park feature various sustainable design elements, but the office space at 7800 Milestone Parkway goes above and beyond by achieving LEED Gold.

## SUSTAINABILITY HIGHLIGHTS

- Tilt Wall Construction—Tilt wall concrete construction allowed for superior efficiency of the exterior façade while allowing construction materials to be provided locally, significantly cutting down on the environmental impacts transportation.
- COPT elected to design and install an energy efficient Dedicated Outdoor Air System (DOAS) to serve the building. The design achieved a 29.7% energy cost reduction, representing 100% of the available Optimize Energy points.
- The team achieved a potable water reduction within the building of 42%.
- The team achieved a water-efficient landscaping reduction of water use by 81%.
- The building and site incorporated an effective construction waste management plan that diverted 85% of construction waste from a landfill.
- The building design incorporated over 26% recycled content into purchase of building materials.
- 58% of wood purchased for project was FSC certified.