

Sustainable Design

LEEDing the Way



With more than 100 LEED APs on staff firm-wide, sustainable design weaves through all Langan services. Our diverse portfolio of intelligent site planning, design, and engineering coupled with our Brownfield and site remediation expertise places us at the forefront of the sustainable design movement.

Langan has been an instrumental player on dozens of Leadership in Energy and Environmental Design (LEED) and sustainable design projects globally. Our expertise allows us to make significant contributions in developing sustainable sites with an emphasis on stormwater management, low impact landscapes, brownfield redevelopment, materials recycling, energy conservation, and renewable energy design. A selection of noteworthy LEED projects Langan has been a part of is listed below.

- **Duke Farms Capital Improvement Project**, Hillsborough NJ – worked as part of the project team to achieve two LEED platinum certifications for the adaptive reuse of two historically-registered buildings on this approximately 2,700 acre former family estate.
- **Battery Park City (Multiple Sites)**, New York, NY – worked as part of the project team to achieve LEED gold and platinum certifications for multiple sites including the Visionaire, the Verdesian, One River Terrace and the Goldman Sachs Building.
- **Octagon Park Apartments**, Roosevelt Island, NY – worked as part of the project team to achieve LEED silver certification for the adaptive reuse of a historic hospital facility into a luxury apartment complex.
- **NYCDEC Remsen Yards Facility**, Brooklyn, NY - worked as part of the project team to achieve LEED certified status for this NYCDEC repair facility with associated administrative and staff offices.
- **US Embassy in Panama**, Panama City, Panama - worked as part of the project team to achieve LEED silver certification for this new embassy compound on a challenging site.
- **Porsche Northeast Support Facility**, Palmer Township, PA - worked as part of the project team to achieve LEED certified status for this distribution and training facility for Porsche.

*Montreign Resort Casino
Sustainable Design Writeup*

Montreign has undertaken a multi-year process to evaluate the proposed Montreign Resort Casino development project. The applicant has completed the State Environmental Quality Review Act (SEQRA) process, but has also been engaged in evaluating and guiding the project's design based on the design principles of the United States Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) current Version 3 rating system. The applicant has been using the rating system as a tool in the design process to enhance a coordinated multi-disciplinary design approach.

The design team is preliminarily tracking the project to achieve certified status under the LEED New Construction (NC) rating system. The applicant had an initial LEED review completed internally by its design team. Its commitment to LEED certification led to retaining Langan to complete a third party review of the LEED design and evaluation process, which confirmed the internal tracking.

Langan's review effort is being led by Gregg Woodruff, Senior Project Manager. Mr. Woodruff has over ten years of experience in sustainable design, planning, and natural resources permitting projects. Mr. Woodruff has been part of a variety of LEED evaluations and design projects. Mr. Woodruff is a member of the Board of Directors of the New Jersey Chapter of the USGBC, having served in that capacity for the last five years. Mr. Woodruff is also active with the USGBC nationally, serving for the past two years on the Program Working Group, which oversees the review and selection of speakers for the annual USGBC international conference Greenbuild.

The proposed Montreign Resort Casino development project is focused on achieving LEED certification by developing progressive site development features and access to public transportation in addition to designing a highly efficient building with cutting edge heating and cooling, water, and energy systems while also making responsible materials selections for various finishes within the building. The applicant will also work diligently with its contractors overseeing the project construction to reduce the amount of waste generated during project construction and divert it from landfills. The applicant has attached a summary LEED checklist showing the anticipated credit points out of the total number possible in each category. The LEED evaluation process will continue to evolve with the design finalization process and will continue to help guide responsible site development activities.

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