

Achieving LEED Platinum at Colgate University through advanced design and sustainable landscaping

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ABSTRACT

This presentation will tell the story of how Colgate University's Benton Hall which is home to the Center for Career Services achieved a LEED Platinum rating through green building innovation and advanced design. Robust envelop design and commissioning coupled with efficient energy systems, sustainable landscaping, stormwater management, enhanced energy commissioning, and excellent indoor air quality make this building the highest performing and greenest building on Colgate's campus. Additionally, the use of regional materials and exceptional masonry help to blend this new building in with the rest of Colgate's 200-year-old campus. Finally, native landscaping established a new standard for sustainable sites at the university. The project proves that LEED Platinum can be achieved through passive house design and advanced energy performance without relying on renewable energy.

BIOGRAPHY

Over the past 10 years, John Pumilio has led Colgate's sustainability program and effort to achieve carbon neutrality by 2019. Since 2009, the university has reduced its campus carbon footprint by 46 percent and this year became the first college or university in New York State to achieve carbon neutrality. Efforts to date include a reduction in energy, water, and paper consumption while increasing renewable energy, recycling, and overall awareness of sustainability on campus. John is a LEED Green Associate through the United States Green Building Council and a Certified Energy Manager through the Association of Energy Engineers.