



STARS Review Committee
Association for the Advancement of Sustainability in Higher Education
2401 Walnut Street, Suite 102
Philadelphia, PA 19103

Dear Committee,

Last year, Endicott College conducted a feasibility study to determine the technology, cost, and feasibility of constructing a Zero Net Energy Residence Hall (ZNERH). The feasibility study provided a valuable opportunity to: study ZNEB in modular construction; compare a ZNEB with a neighboring similar building; and educate residents about zero net energy buildings.

The residence hall that was studied used modular construction for 80% of the construction, making this a highly replicable construction technique. A similarly sized residence hall was in construction at the time, providing a real-world baseline against which the energy performance can be measured. In addition the project benchmarked all larger existing campus dorms against each other in terms of energy use.

Endicott has a developed sustainability program to address energy, solid waste, transportation, grounds management, and purchasing issues. *The Princeton Review* has named Endicott one of its "Green Colleges." Endicott has implemented comprehensive energy efficiency programs that reduced electricity use by 7% over business as usual and converted old heating systems to high-efficiency gas-fired systems. Endicott also hosts a 945KW solar parking lot canopy, the largest canopy currently in operation in New England.

This Feasibility Study informed the design of a building projects at Endicott College and elsewhere, providing important information about energy systems that can be incorporated into College planning for additional new buildings, renovations, and retrofits. While Zero Net Energy buildings are increasing, their applicability in a large residence hall is indeed innovative.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tyler Virden", is written over a light blue horizontal line.

Tyler Virden