

STOCKTON COLLEGE

THE RICHARD STOCKTON COLLEGE OF NEW JERSEY



“New Jersey’s Green College” Seeks Clean Energy in the Wind

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Galloway Township, NJ- Numerous renewable energy projects have made The Richard Stockton College of New Jersey “New Jersey’s Green College,” and Stockton continues to create even higher environmental expectations. Stockton students and faculty are currently seeking clean energy in wind power. Four anemometers, devices that measure wind speed, have been mounted on local towers. One anemometer is located at the arboretum on Stockton’s campus on a 164-foot tower. The remaining anemometers are mounted on Galloway Township’s communications tower and at Atlantic City High School. The anemometers will portray the local wind patterns and help Stockton to better plan how the local winds could be converted into clean energy.

With the help of a \$14,000 grant from the New Jersey Board of Public Utilities, Stockton is collaborating with the Atlantic County Utilities Authority (ACUA) to identify potential sites for wind turbines. According to the U.S. Department of Energy, wind power is one of the nation’s fastest-growing sources of energy.

Stockton is one of five colleges in the state participating in the New Jersey Regional Anemometer Grant Program, which provides funding to New Jersey colleges and universities interested in participating in the Anemometer Loan Program. The Anemometer Loan Program is funded by the United States Department of Energy Wind Powering America Program and by the New Jersey Board of Public Utilities Office of Clean Energy Program. Rutgers, Rowan, Ocean County College, and The College of New Jersey are also participating in the Anemometer Loan Program.

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Patrick Hossay, a political science professor at Stockton, and his students enrolled in his Municipal Environmental Policy class, offered during the spring semester, download the wind speed data onto a computer. Not all wind is good wind, and wind turbines cannot be installed at just any location. One year's worth of data will be analyzed to determine whether or not suitable locations exist for wind turbines. Stockton is specifically targeting municipalities and public facilities as potential wind turbine sites. Hossay highlighted that prospective sites need to have a substantial energy consumer nearby and a space with at least a 300-foot diameter with appropriate clearance. Hossay also explained that an ideal wind would be constant at 8 to 12 miles per hour with no turbulence.

ACUA President Rick Dovey said, "We are really pleased to join Stockton on this project. It's a great way to provide important data to towns and schools who are seriously considering wind projects, and a great opportunity for the students as well." Stockton's anemometer project is ongoing, and the next anemometer will be installed in Ventnor on a golf course.

For more information about Stockton's participation in the Anemometer Loan Program, please contact Professor Patrick Hossay at 609-652-4303 or Patrick.Hossay@stockton.edu.

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