

I. Major Capital Projects

New Jersey's Green College is celebrated through its award-winning building projects

Keeping its promise to be a steward of the environment, Stockton's first commitment in construction is to the use of environmentally appropriate systems and materials to enhance the campus and remain true to its unique unspoiled environs. Stockton has continued to lead in the development of buildings that use alternative energy systems and sustainable designs.

Stockton received the prestigious **2008 Green Project of Distinction Award** from Education Design Showcase for its Housing V residence hall project that incorporated geothermal heating and cooling using closed-loop technology and a design that would accommodate future solar thermal heating systems. This newest residence hall exemplifies the goal of the 2006 Facilities Master Plan that demonstrates Stockton's commitment to plan and develop the campus in a way that celebrates and preserves the College's unique natural environment and which reflects the College's culture and programs.

Each construction project for academic buildings and residential life undertaken by the College strives to refresh the vision for the campus and capitalize on the essence of Richard Stockton College as New Jersey's Green College in the Pinelands that will create a compelling choice for high quality students.

Construction Updates:

Four Mile Trail

You must experience Stockton's unique 1,600 acre campus by navigating the newly signed trail available to walkers, joggers and bicyclists. The trail head begins at the intersection of Waterway Drive and Vera King Farris Drive, east of the Arts and Sciences Building. However, the trail may be accessed at numerous locations along its loop.

The trail sign is dark green with white lettering and includes an arrow indicating direction of travel. Below the trail sign and carved into the wood post, is the mileage. The mileage is engraved on two sides of the post for trail users to chart their distance navigating in a clockwise or counter clockwise direction.

The signed trail is a significant benefit to the Richard Stockton College of New Jersey as it encourages alternate forms of transportation, offers students and community members the experience of our place in the Pinelands National Preserve, and allows access to one of New Jersey's thriving ecosystems serving as a living laboratory.

The trail signage program was funded by the Federal Highway Administration's Recreational Trail Program, through the New Jersey Department of Environmental Protection. The trail signs were fabricated by the Boys and Girls Club of Atlantic City, a local non-profit agency providing vocational and entrepreneurial business skills.

Parking Lot 7 Photovoltaic Array

The Richard Stockton College of New Jersey is proud to host extensive solar arrays owned by an energy services developer. The generating capacity of the arrays is 1.2 MegaWatts. Stockton provides the space (roof of Recreation Center and Parking Lot 7) and buys all the electricity at a lower price per KWh than the regular grid-delivered cost. The College also saves money because it's demand charge (per KW) is reduced.

Stockton contributed a portion of the necessary capital for this project through rebates from the NJ Clean Energy Program. The energy services developer oversaw the design and installation of the arrays and is responsible for their operation and maintenance. The energy services developer owns and sells the Solar Renewable Energy Credits associated with the arrays.

The cumulative avoided carbon dioxide production (to August, 2010) is about 3,346,600 pounds. An additional benefit is the use of the electricity right where it is generated (avoiding "line loss" during transmission). This saves about 114,800 pounds of carbon dioxide emissions annually.

Finally, reduction of peak electrical demand benefits both the College and the regional grid, especially under high demand conditions, like very hot summer afternoons.

Sports Center Solar Project

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Free-To-Be Child Care Center Renovations

On Monday, January 26, 2009, we held a ribbon cutting ceremony signifying and celebrating the transformation of the Free To Be playground and educational facility. New safety standards established by the NJ Department of Community Affairs started the ball rolling for the Free To Be playground renovation. The original playground was removed and has been replaced with new equipment constructed of environmentally friendly materials. This new play environment meets the needs of children for safe and stimulating experiences outdoors. Additionally, this project significantly improved the handicap accessibility of the building, provided landscaping to the front and backyard, installed new vinyl siding and a new roof. A covered and expanded front porch was also added.

The entire project became part of the Free To Be curriculum, offering children many opportunities to learn about heavy equipment, building materials, and careers in the construction trade

Elizabeth B. Alton Auditorium

A 6,000 s.f. gut rehabilitation of the Alton Auditorium is now complete and ready for use. The project was managed by Stockton's Office of Facilities Planning and Construction, designed by FMG Architects and constructed by MJJ Construction. The auditorium can accommodate a total of 276 persons. On Tuesday, 01/20/09, Professors William Daly and Yitzhak Sharon provided the inaugural lectures to a full house.

Eco-Friendly Parking

Stockton began work in September 2010 to convert an athletic practice field into a parking lot. This may sound routine, but the details reflect the College's commitment to innovation in green technology and to recycling. Rather than using asphalt, the lot will be "paved" with a porous surface of plastic grids. These grids, which are durable and resilient, are made from recycled polyethylene. Placed on a carefully prepared surface, the grid sections lock together to form a surface that supports cars and light trucks.

A mixture of topsoil and EcoSoil from the Atlantic County Utilities Authority (ACUA) will fill the open spaces in the grids, which are about two inches thick. EcoSoil is a 100% natural composted blend of yard waste collected from around Atlantic County. Production of EcoSoil recycles yard waste and keeps it from using up valuable landfill space.

Academic Building New Construction (50 W. Jimmie Leeds Road)

This is a project that will be managed by Stockton Affiliated Services under a design/build contracting method, which should allow for a more rapid progression towards product delivery. A contract agreement between the College and the Design/Build team has been issued. A Notice to Proceed will be issued shortly. This project is anticipated to be completed and ready for occupancy in late 2011.

Campus Center

Project Description:

The Campus Center Building will include food service, event and dining facilities, as well as lounges, offices, Student and Campus Center offices, meeting rooms, a small theater and facility support. The project's construction has been split into two (2) phases in order to establish an orderly and efficient schedule. The phases include the following:

Phase I Site Development:

This phase of work encompasses the preparation of the site for the footprint of the new building and staging areas. It also included the installation of gas, electric, sewer and storm water utilities required to support the new structure. This phase of the project is complete.

Phase II Construction:

This phase of the project encompasses the actual construction of the building. Construction has commenced and it is anticipated that completion will occur during winter 2011.

Phase II Project Update:

This project, sized at approximately 154,000 square feet, is under construction and expected to be substantially complete by spring 2011. Cast stone of the exterior building and construction of the concrete footings to support the "front porch" is complete; roofing of the entire building is complete and the roof skylights have been installed. HVAC ductwork, rough electric and plumbing are complete throughout the building and permanent electricity has been connected to the facility, as well as the connection of the chilled water and geothermal lines. Installation of the Terrazzo floor has begun in the western portion of the building. Additionally, "Pergola" steel along the College Walk side of the building has been installed. Framing of the walls throughout the building is nearing completion and painting of the walls in the lower portion of the building has begun.

Campus-Wide Signage

Project Description:

This project consists of (6) new signs, Sign Type I – one (1) main sign at the main entrance; Sign Type I – Three (3) monument signs; and, Sign Type III – two (2) LED signs for posting college activities, special events and police emergency messages. These signs will be strategically placed throughout the campus to aid and inform the College Community and visitors entering and exiting the campus.

Project Update:

A new directional sign was installed at the entrance of Moss Mill Road and Route 575, as well as a new entrance sign at Jimmie Leeds Road. The new entrance sign encompasses the LED technology and display information regarding current and upcoming College functions. Sixteen (16) new campus signs are being fabricated and will replace the existing directional signs which are located through the main academic campus. Additional signs are planned for the athletic fields along Pomona Road which will direct patrons to specific areas on campus. The College is working with a sign contractor to memorialize "The History of the Negro Baseball League" plaque that once resided at the Sandcastle Baseball Stadium in Atlantic City, New Jersey.

C/D-Wing Courtyard Renovations

Project Description:

The C/D-Wing courtyard will enclose approximately 4,000 square feet of existing exterior courtyard to provide an indoor 2-story atrium off the main gallery between C and D-Wings.

Project Update:

In an effort to provide more student congregating and programming space, an atrium/interior courtyard has been designed to be constructed between C and D-Wings. The new atrium will take up approximately 50% of the open outdoor space. The approach is to enclose the space while simultaneously enhancing the accessibility of the exterior courtyard for casual use by students, faculty and staff. The newly created interior space will have surfaces introduced for seating and congregating and is expected to be used as a quiet space to help minimize the degree of foot traffic between A through D-Wings. The design and construction schedules are the same as the L-Wing renovation and the Performing Arts Center (PAC), as this will be a part of the same construction bid package.

College Walk Reconstruction

Project Description:

This project would renew and/or replace College Walk into an inviting pedestrian space.

Project Update:

This project entails a transformative design of the existing walk to introduce more green space, allowing for more plantings, seating and comfortable and convenient pedestrian movement amongst the buildings. This project is geared towards a substantial minimization of vehicular traffic on the walkway and will entail a joint effort to transfer many of the services to be performed by Plant Management to Lakeside Lane, closer to the woods. Emergency access and egress will be maintained, however it is our goal and intent to provide a safe and convenient pathway along with enhanced courtyards for gatherings. This project will be addressed in 2-3 primary phases, the most eminent of which will be the phase that would complement the completion of the Campus Center. We expect to begin construction timely enough to allow for that first phase to be completed coincident with the Campus Center opening. The subsequent phases would be pursued over time to minimize the disruption on the campus.

Project Update:

The project is currently in the Design Phase and will be constructed in two (2) phases. The first phase of construction entails the transformation of College Walk adjacent to the Campus Center and the construction of the plaza at the Grand Hall entrance. The plaza design includes a fountain with a sculpture including a reference to Richard Stockton's signing of the Declaration of Independence. The second phase of the project will construct the remainder of College Walk and the plazas at B, F, J, K and N-Wings. It is anticipated that construction will commence in January 2011 for a scheduled completion in summer 2011.

Decanted Space Renovation (Backfill)

Once groups and individuals have been relocated into the new Campus Center, the vacated space will be renovated and turned into expanded academic, student and administrative space that will include academic classrooms, seminar spaces, labs, and meeting rooms, as well as faculty offices and administrative spaces. The work in these areas will begin in a phased fashion shortly after the move into the new Campus Center.

Housing I, Housing V – North & West Parking Lots Photovoltaic Array/ARRA Grant

Project Description:

The College was awarded \$3,464,599 from the American Recovery and Reinvestment Act (ARRA) of 2009. Stockton's project was one of seven approved State-wide and the largest from a college or university. The project will entail the installation of Photovoltaic panel arrays on a portion of the parking lot in Housing I as well as the North & West Parking Lots located in Housing V. This total size of this array is 1,097 kWh and will provide the College with a reduced rate for electrical power and exemplify the College's ongoing commitment to becoming New Jersey's GREEN College.

Project Update:

The College and the New Jersey Board of Public Utilities have initiated the development/execution of the grant agreement required to proceed with activities in the College's grant proposal. It is anticipated that this project will be completed summer 2011.

L-Wing Renovation

Project Description:

The College has hired an architect to design the adaptive re-use/renovation of the L-Wing swimming pool area into academic and administrative space along with a 2-story art gallery. The area will also house tiered classrooms, The William J. Hughes Center for Public Policy and the Affirmative Action and Ethical Standards offices.

Project Update:

The College has hired a Construction Manager for this project to provide plan review and administrative services. The project will include additional spaces solely dedicated to academic lectures and seminars, a two-story art gallery, many new and badly needed faculty offices and will house the William J. Hughes Center, Office of External Affairs, as well as the Office of Affirmative Action and Ethical Standards. A construction contract has been awarded and it is anticipated that the contractor will commence construction activities at the pool area, Performing Arts Center (PAC) entrance, K-Wing restrooms and the L-Wing exterior plaza in late fall 2010. The project is scheduled for completion in fall.

Natorium New Construction (Competitive Swimming Pool Structure)

This project represents accommodating the anticipated growth of the Stockton Athletics program into competitive (NCAA) swimming (which the old pool did not afford), and is being designed to include spectator stands, changing rooms, toilet and shower facilities, a 6 to 8 lane pool (possibly considering diving), and will include vehicular access. It will be located near the athletic facility (Big Blue). The project is currently in the pre-design and concept stage. This project will advance upon receipt of construction bids for the Unified Science Center.

Performing Arts Center Entrance Renovation

This project entails the design and construction of spaces to accommodate the increased usage of the PAC and includes elements that will define the exterior of the space to the general public, making it easier to find. It will enhance accessibility, will increase restroom capacities by installing a tower, and will provide for a new ticket booth and a much larger floor footprint in the lobby of the PAC. This project will be bid in the same package of the L-Wing project as mentioned above and is expected to share a similar time frame for construction.

Project Update:

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Signalized Intersection (Traffic Light)

Project Description:

An engineer has been retained and has submitted a design for a new traffic signal at the intersection of Jimmie Leeds Road, and Vera King Farris Drive at the main academic entrance of the campus. The design includes technical design services for the planning and specification development to reconstruct the intersection and include the installation of a traffic signal and required right-of-way acquisitions, if required. Additionally, the design includes roadway widening, utility coordination, geometric revisions, drainage improvements, signage, resurfacing the intersection and the required environmental permits. This traffic signal will abate increasingly serious life/safety issues that currently exist at this intersection.

Project Update:

Louisville Avenue paving, striping and signage has been completed, as well as road widening, sewer main relocation, traffic signage and roadway striping at Louisville Avenue/Vera King Farris Drive. Utility service providers relocated their wires and cables to the new utility poles along Jimmie Leeds Road and Duerer Street and the old utility poles were removed following utility transfers. New roadway lighting has been installed on all the new utility poles along Jimmie Leeds Road and Duerer Street. Final site improvements, including landscaping and grading are ongoing.

Unified Science Center

Project Description:

This project consists of a three-story building to provide facilities that will support the College's Science Programs. It will include wet and dry teaching and research laboratories, and support facilities. The project also includes the site work, furnishings and equipment. Currently, the project is in the Construction Document Phase and has been forwarded to the New Jersey Division of Community Affairs (NJCA) for plan review and approval. A Concept Design for the art inclusion for this facility has begun. The architect and site engineer are working on site logistic plans for the staging area for the new construction. A Request for Proposal will be issued for a Construction Management firm.

Project Update:

A three-story, this facility will be an approximate 70,000 square foot state-of-the-art educational Science Center adding to our exciting new "front" door transformation.

Aquifer Thermal Energy Storage System

The Stockton ATES System is the first institutional application of its kind in the USA. This sustainability project reduces the College's reliance on fossil fuels and decreases the Campus Greenhouse Gas footprint.

ENERGY STORAGE is considered a conservation measure. It has the same positive impact as use of renewable energy technologies. Stockton's ATES system is a SEASONAL COLD STORAGE facility. It is SEASONAL because it stores energy from winter to summer. Some systems, like the pumped storage described above, operate on a daily cycle and others, like batteries, store energy indefinitely. It is COLD because chilled water is what is stored, and cold for air conditioning is what Stockton needs. (Stockton's heating needs are met by the Geothermal System and conventional boilers.)

AQUIFER THERMAL ENERGY STORAGE systems store winter's natural cold by chilling groundwater and putting it back into the aquifer for storage. Groundwater is chilled by being run through a cooling tower when conditions of temperature and humidity are favorable.

In summer, the chilled water is withdrawn, used for air conditioning and put back into the aquifer.

The LAYOUT – Stockton's ATES system consists of six large wells and associated piping, pumps and cooling tower. The wells, with their pumps, are located in two clusters, about 950 feet apart. One cluster is located near the West Quad Building and the other near Lot 1. The cooling tower is located at the Manifold House, which is alongside of Lot 1. The ATES piping is connected to the campus cooling loop, which connects five buildings in the main academic complex.

Other Institutional Information

- A. [Executive Summary of the Student Affairs Annual Report 2008-2009](#)
- B. [Academic Affairs Highlights 2009-2010](#)