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# GREEN BUILDINGS

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## Expands "Green" Efforts With Direct Install

### Goodwill of SNJ & Philadelphia turns to Hutchinson Mechanical Services for energy efficient solutions

**M**APLE SHADE, NJ — Goodwill Industries of Southern NJ & Philadelphia, a nonprofit organization, has employed green practices since it started serving the community. In 2012 alone, Goodwill recycled more than 50 million pounds of textiles and diverted 5.4 million pounds of e-waste from area landfills. The nonprofit has further expanded its green initiatives by participating in Direct Install offered through the NJ Office of Clean Energy - where NJ buildings are eligible to save up to 70% on energy efficient projects.

When it became clear that outdated HVAC equipment needed to be replaced at Goodwill's stores and donation centers, Goodwill turned to **Hutchinson Mechanical Services** for energy efficient solutions to help reduce energy consumption and improve their bottom line.



Hutchinson, a participating contractor for Direct Install, provided a free energy assessment in Goodwill's stores and donation centers to identify eligible equipment upgrades, including lighting and HVAC. Hutchinson installed an upgraded energy efficient HVAC

system and lighting retrofit at Goodwill's Glassboro store and donation center as well as a HVAC system upgrade at the Hammonton store and donation center. Through the program, Direct Install paid 70% of the cost of energy efficiency upgrades.

According to Michael Shaw, COO for Goodwill of Southern NJ and Philadelphia, "As our HVAC equipment was at least 15 years old, it didn't make sense paying for costly repairs. Instead, we took advantage of Direct Install and now have brand new, energy efficient equipment that has already enabled us to cut spending on repair services while helping us save on energy costs."

Previous energy savings measures Goodwill instituted through Direct Install included upgrading energy efficient lighting and new HVAC systems through five area Goodwill stores and donation centers. Goodwill also has service contracts with Hutchinson to ensure equipment is maintained and repaired in a timely and cost-effective manner.

"As a nonprofit or any organization, it's important to be fiscally responsible. It was a

matter of Hutchinson showing us the process and its benefits," said Shaw. "At first, we thought the program was too good to be true, but Hutchinson walked us through each step and was able to show us the return on investment in energy savings."

"Our energy savings is already incredible, and the reliability of a newer unit is immeasurable. We couldn't have accomplished this without participating in the Direct Install program," said Shaw.

"We seek out the latest strategies and technologies to help nonprofits, businesses and government facilities reduce energy consumption and improve their bottom line," said Ed Hutchinson, president, Hutchinson Mechanical Services. "Direct Install's turn-key solution makes it easy for nonprofits and businesses to become more energy efficient, cut expenses and go green." ■

## Team is targeting LEED Gold certification

### Francis Cauffman designs Rochester Institute of Technology's core & shell and labs for new institute hall

**ROCHESTER, NY**—Francis Cauffman announces the official opening of Rochester Institute of Technology's landmark new science facility, Institute Hall. The 78,000 s/f, \$26 million research building houses RIT's brand-new chemical and biomedical engineering departments. The building's innovative design incorporates lounge and study spaces with labs, classrooms, and faculty offices. The building also completes a new science quad on campus, joining three other new buildings.

Francis Cauffman designed the building's core and shell and labs.

Institute Hall fulfills RIT's vision of bringing state-of-the-art science facilities together with community amenities like a café, a rain garden, and a study space located in an



Rochester Institute of Technology's landmark new science facility  
Image credit: Chris Cooper

elevated bridge that connects Institute Hall with an adjoining building. Its ground floor is raised five to six feet to provide better views throughout. The building's spaces attract the wider campus community and

foster collaboration between science students.

"We are thrilled to have designed a facility that meets RIT's goals for sustainability," said Jim Crispino, president of Francis Cauffman. "Addi-

tionally, we are very excited to have collaborated with RIT on a building that creates a new way for science students to work and study together."

Referred to as the "Brick City," RIT is well known for its large collection of Modernist brick buildings. Institute Hall plays with this tradition. Unlike the more solid buildings on campus, it has a transparent, glazed core that is wrapped in a red brick shell, with a traditional rectangular brick wall on its west face and a striking curved glass facade on its north face. The brick sections house labs, while the glass encloses offices and classrooms, allowing in daylight.

The building has 12,750 s/f dedicated faculty research labs, a 2,500 s/f chemical engineering unit operations teaching lab, a vivarium, classrooms

for training healthcare-related professionals, and an environmentally controlled laser research lab, among other state-of-the-art scientific research facilities. The ground floor includes classrooms for the general campus, which serve to promote movement, while the upper floors mix student spaces and classrooms with faculty offices in order to facilitate interaction between students and faculty.

The team is targeting LEED Gold certification. Sustainable elements include a "green data center" that uses air from outside, instead of MEP cooling, as well as a rain garden on the building's east side.

Rochester-based architecture firm **Bergmann Associates** served as Architect of Record, and **Welliver** was the construction manager. ■