

Facility Services Building Completed

The second building completed in JJC's Master Plan incorporates the latest in green design features

by **Kelly Rohder**





JJC hosted a grand opening ceremony in March for its new Facility Services Building.

The LEED Silver (pending certification) facility, located on the Main Campus, is home to the college's custodial, maintenance, environmental safety, planning/construction, roads/grounds, and facility scheduling staff. The project was funded as part of the 2009 Illinois Jobs Now program through the Illinois Capital Development Board.

Jim Underwood, executive director of the Illinois CDB, spoke at the ceremony and said they are proud to have been a part of the project.

"This Facility Services Building uses the latest in green design features which means it will use less energy and have less of an impact on the environment than traditional construction. This is something near and dear to Gov. Quinn's heart, and CDB is proud to lead the Governor's Green Building Initiative in Illinois," Underwood said.

He added that construction of the building created approximately 60 badly needed, good-paying construction jobs.

"And this doesn't count the number of people who will have permanent jobs working here, or those who will find good-paying jobs after coming here to learn. This is a win-win situation for everyone," he said.

The new building replaces 42-year-old temporary buildings that had previously housed the Facility Services functions. Originally, the temporary buildings were constructed to serve as short-term classroom and office space during construction of the permanent main campus, when the college split from Joliet Township High School and moved to the current Houbolt Road location in the late 1960s.

Green Features

Designed by Legat Architects with lead construction by Gilbane Building Company, the building boasts multiple green features, which include:

- All light fixtures are LED, making this one of the first buildings in the area to have this feature
- White reflective roofing
- Geothermal heating and cooling system
- Solar-powered/pre-heat ductwork that is located on the roof takes air from the outside of the building, heats it, and cycles it into the interior of the building
- All occupied spaces in the building have motion sensors that control lighting
- Daylight ventilation in all areas including offices and shop/work areas. This means each area is uses the maximum amount of daylight possible. All windows are operable, meaning they can be opened to help naturally control room temperature
- Most materials for the building were purchased from within a 500-mile radius. This includes steel from Chicago, precast concrete from Aurora, Ill., windows from Wisconsin
- All windows are high-efficiency, Low E glass, meaning that the glass repels UV rays with a metallic coating in order to keep furniture, carpet from fading but still allow visible light
- All plumbing fixtures are super low flow, meaning that they have the lowest water consumption available
- All paint, coating, glues and adhesives contain low volatile organic compound, or VOC