CASE HISTORY

Nicholas Conservatory & Gardens, Rockford, IL

Chicago Faucets helps meet LEED® certification

The Challenge

The Sinnissippi Greenhouse served visitors to the Rockford, Illinois, attraction well for more than 86 years. But the Rockford Park District had big plans, which included building a new facility on the site along the Rock River—specifically, a sustainably built facility along the Rock River that would also lower operating costs.

Located about 90 miles outside Chicago, the new $13.5 million, 22,000 sq. ft. Nicholas Conservatory & Gardens and $1.43 million Eclipse Lagoon is the third largest conservatory in Illinois with over 50,000 visitors a year. Rockford Park District’s plans for the site included lowering operating costs and meeting LEED® certification standards. This required a whole-building approach from underground geo-water for heating and cooling, to solar power, to low-flow, water-efficient faucets.

To achieve LEED certification, the conservatory had to earn a certain amount of credit points in key areas of sustainable design, including water use. LEED (Leadership in Energy and Environmental Design) Green Building Rating System™ was developed by the U.S. Green Building Council (USGBC) as the national accepted benchmark for the design, construction, and operation of high-performance green buildings.

The Solution

To help achieve LEED certification points, reduce water costs, and improve overall environmental stewardship, the faucets in the building had to be water-efficient. Moreover, the faucets had to have one-percent or less lead content, be recyclable, have low-flow outlets and metering cartridges, and be sensor operated. HyTronic® sensor faucets from Chicago Faucets met the requirements. The facility installed 10 ADA-compliant, vandal-resistant, single-hole faucets, model 116.211.AB.1. The faucets are powered by lithium batteries, are compatible with the Chicago Faucets Commander® handheld programming unit, and feature internal temperature control and above deck electronics. They are also made with ECAST® brass, a special formulation from Chicago Faucets that meets low-lead specifications for plumbing fittings.
“Chicago sensor-operated faucets were chosen for the Nicholas Conservatory project because of their quality and ability to stand up to the daily requirements of a large greenhouse,” says Kelly Moore, Facility Manager, Nicholas Conservatory & Gardens. “The conservatory is a working plant exhibit that requires durable materials and fixtures that will endure for years to come. Together, all of the plumbing components create a water-efficient facility, a testament to the Rockford Park District’s stewardship of the environment.”

ECAST®, from Chicago Faucets, is the line of durable, high-quality brass faucets and fixtures that are designed and manufactured with less than one quarter of one percent (0.25%) total lead content by weighted average. These products are intended for installation in locations where state laws and local codes mandate lead content levels or wherever lead content is a concern. In 2014, a new federal law regarding lead content in plumbing products that deliver water for human consumption will take effect throughout the United States. Once again, Chicago Faucets is leading the way to respond to these new low-lead initiatives with ECAST®.

For additional information, contact The Chicago Faucet Company at 2100 South Clearwater Drive, Des Plaines, IL 60018, or call 800-566-2100. You can also visit Chicago Faucets at www.chicagofaucets.com.