



**Danville  
Area  
Community  
College**

## DACC Goes Green with Rainwater Collection System

Danville Area Community College, in its continuing sustainability effort, installed a revolutionary RainXchange System for capturing, filtering, and re-using rainwater on the DACC campus. Installed in July 2011 at the DACC Greenhouse, the RainXchange System collects rainwater to subsidize water usage for watering greenhouse plants and turf greens.

The RainXchange System combines a decorative bubbling rock water recirculation feature with a sub-surface rainwater harvest storage system, capable of holding 1000 gallons of rainwater. The RainXchange system stores the collected water underground to maintain the integrity and beauty of the landscape. By reusing rainwater, the College will reduce water bills which include sewer charges and will alleviate demand on municipal water systems. Rainwater is extremely rich in nutrients to irrigate landscape, reducing the need for fertilizer and chemicals. Finally, reusing rainwater limits the waste of the planets' freshwater resources through usage and pollution.

The rainwater collection system was funded by a \$5,000 grant from the Illinois Green Economy Network (IGEN). IGEN is a partnership of 48 community colleges working to grow Illinois' green economy, providing employment opportunities and healthy communities for all. IGEN is a continuously growing network of community colleges looking to develop a new kind of partnership with each other, with local employers, and within their communities. The purpose of the network is to combine the power of community colleges, businesses and the local community to stimulate the states' green economy by focusing on the critical problems we can solve together, but cannot solve alone.

For more information about sustainability efforts at DACC, please contact Angela Davis at [adavis@dacc.edu](mailto:adavis@dacc.edu).



**Installation of RainXchange System**



**Finished Product**