



ECOVIE Institutional Rainwater Collection System

Application:
Non-Potable System for Irrigation
and storm water management.

Project Location:
Athens-Clarke County Middle School
Athens, Ga.

Ecovie designed and implemented a 1,500 gallon above ground system for Clarke Middle School in Athens, GA to act as a functioning sustainable symbol as well as an educational access point. 4,000 square feet of catchment surface sends fresh rainwater to an above ground tank that is used for irrigation while simultaneously reducing storm water runoff. The valve shown below seamlessly switches from rainwater to municipal water when the tank is empty. The tank also has a level indicator with a digital read out located on the wall in the greenhouse.

Technological elements like this increase the ease operation of the system while providing extra education for the students. These middle school students have the ability to see science and engineering at work and learn about environmental stewardship at the same time.



1,500 Gallon Above-Ground Tank



Digital level indicator



Pump controller



Pressure Release Valve

Project Summary:

Collection Square Footage: 4,000 sq. ft.

Tank Capacity: 1,500 Gallons

Projected Annual Water Supply: 50,000