



# ECOVIE Institutional Rainwater Collection System

**Application:**  
Drip Irrigation System

**Project Location:**  
UGA Campus: Skidaway Island, Ga.

There are multiple reasons to get excited about institutional rainwater collection projects. When a leading state institution like UGA decides to progress sustainable initiatives, it sets a standard for not only the state of Georgia but the entire Southeast. Therefore, it was exciting to design and implement a 10,000 gallon system that will be a working beacon of conservation and provide invaluable educational opportunities for UGA's Marine Science extension campus on Skidaway Island.

This 10,000 gallon Rainwater Collection System by ECOVIE will supply over 248,000 gallons of water per year or enough to fill up 11 standard swimming pools. The water will be used for 100 percent drip irrigation which is an effective point source irrigation method that reduces water flow and increases vegetative absorption.



**Project Summary:**

Collection Square Footage: 13,000 sq. ft.

Tank Capacity: 10,000 Gallons

Projected Annual Water Supply: 248,000



The overflow of the system will be directed into a passive bio-retention swale that will naturally filter and absorb excess water. 13,000 sq. ft. of impervious surface will provide the catchment area for the above ground system. Newly landscaped areas and raised planting beds will also be supported by the large ECOVIE Rainwater Collection System.

