

Turftenders Landscape Services' *Liquid Assets Program* and Traemoor Village Team up to Reduce Irrigation Water Consumption by 30% Saving \$5,950 in One Season.



Customer

Traemoor Village Townhomes

Date

June 2010

First Year Water Savings

638,792 gallons

First Year Water Cost Savings

\$5,950 (actual)

Lifetime Water Cost Savings

\$71,000 (estimated)

Initial Investment Payback

3.5 years



Project Overview

Traemoor Village Townes is a North Raleigh townhome community consisting of 71 homes on 11.5 acres including nearly 74,000 sq ft of fescue turf.

Challenge

The community was looking for ways to improve the efficiency of the irrigation system at the site, reduce water waste, and reduce the annual dollar expenditure due to over watering and poor system design.

Solution

Turftenders Landscape Services performed an irrigation audit in 2010. The goal of this effort was to lower the site's water usage and create a more sustainable landscape through more efficient irrigation practices. Turftenders, partnering with Rainbird Irrigation and John Deere Landscapes, installed new Rainbird PRS 5000 pressure regulating heads to increase water conservation by improving water distribution and eliminating misting. Turftenders was also able to reduce the total number of heads from over 1000 to 880, a 12% reduction.

Results

In the first full 2010 /2011 season, Turftenders management of the Traemoor irrigation system led to a decline in landscape water consumption of 638,792 gallons from the previous year and a water cost savings of \$5,950. With annual savings at that rate, the community will achieve a recovery of the initial capital investment in 3.5 years and an estimated total savings of \$71,000. over the lifetime of the system. Turftenders commitment to smart water management, the environment, and sustainable operations has led to a lasting and successful partnership not only with Traemoor, but also with many of their clients.