

AAA Landscape, Phoenix, Arizona



IRRIGATION CONTRACTOR:

AAA Landscape

RAIN BIRD PRODUCTS:

- IQ-Desktop v. 3.0
- ESP-LXMEF Controllers with Flow Smart Modules
- WR2 Wireless Rain Sensors
- WS-PRO2 Weather Station
- 5000 Series Rotors
- PEB Series Valves

"We chose the Rain Bird IQ system for trust in the brand, the user-friendly software interface, and the flexibility to install only what our clients need. IQ gives us the ability to program our controllers daily using live weather updates from our weather station thereby only delivering the water that is needed for any given day."

— Scott K. Simeon
IQ Central Control Manager
AAA Landscape

PROJECT OVERVIEW:

Norterra Pointe, Desert Ridge, and Tatum Highlands are three large, master-planned communities in Phoenix, Arizona. The homeowner's associations (HOAs) are responsible for maintaining their common areas that consist of three acres of turf grass and 200 acres of desert/subtropical planted areas. AAA Landscape provides the installation and maintenance of the HOAs' irrigation equipment, including the central control systems.

CHALLENGE:

Conserving water in an arid climate is always a concern. One of the challenges when managing large properties is the ability to easily find problems in the irrigation system that are not visible, such as cracked mainlines or stuck or seeping valves. These issues can take time to manifest visually and continually waste water during that time. To help AAA Landscape solve this problem and remotely manage the HOAs' systems, they turned to IQ-Desktop 3.0.

RESULTS:

Each ESP-LXMEF Controller with the Flow Smart Module monitors the flow rate, and IQ uses this information to compare actual flow rates with learned flow rates to detect problems. IQ's FloWatch™ alarms are activated when excess flow is detected, and IQ shuts off the system or individual zones when breaks in the mainline, damaged sprinkler heads, or stuck valves are detected. AAA Landscape has been able to reduce its response time from an average of two hours to only three minutes. IQ's detection of excessive flow rates recently saved one property nearly 7,000 gallons of water during one event.

IQ also automatically adjusts the irrigation schedules daily using information from the onsite WS-PRO2 Weather Station. While average water savings has typically been 25 percent, one of the properties realized a 75 percent water savings in one quarter last year simply by adjusting the irrigation schedules based on daily weather conditions.

The IQ system has made it easy for AAA Landscape to manage multiple sites from its office. Scott K. Simeon, AAA Landscape's IQ manager added, "In addition to the water and labor savings features, IQ also gives us various reporting options, such as simple program reports per controller, alarm reports to identify problems in the field, and water usage reports for monitoring and budgeting future water bills—all from the convenience of our AAA Landscape office. It was just what we needed."