

Australian Capital Territory, Canberra, Australia

SITE REPORT
SPORTS FIELDS



Australian Capital Territory Sports and Recreation Government Overhauls Existing Irrigation System with Superior, Water-Saving Rain Bird® Products

Located in the southeastern Australian mainland, the Australian Capital Territory includes the capital, Canberra, as well as surrounding townships in New South Wales. The area has a relatively dry, continental climate, and rainfall can vary significantly across the territory.

THE CHALLENGE

The Australian Capital Territory (ACT) Government manages an extensive parkland and sportsgrounds system, including three hundred hectares of sports turf across ninety-eight sportsgrounds and twenty-one parks. Its 20-year-old central control system, however, is becoming exceedingly expensive to manage. Older technology and inadequate supply of spare parts is making the system less of an asset and more of a liability.



THE SOLUTION:

With the help of local Rain Bird distributor and contractor, TIS, ACT will replace the outdated and obsolete technology with an intelligent Rain Bird central control system that saves time and money, conserves water, and allows irrigation schedules to be customized for each site.

KEY OBJECTIVES

- ✓ **Minimize Water Waste**
- ✓ **Centralize Irrigation Control**
- ✓ **Replace Outdated Technology**
- ✓ **Reduce Maintenance Costs**

Core Products Used:

- Rain Bird® Central Control (IQ)
- ESP-LXMEF Controllers with Flow Smart Module
- WR2 Wireless Rain Sensor
- WS-PROLT Weather Station
- Flow Sensors
- GSP 24-Hour Service Support



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RESULTS:

Greater Flexibility with Lower Costs

By replacing the old, obsolete irrigation system with Rain Bird's cutting edge technology, ACT Sports and Recreation was able to reduce maintenance costs by stocking components and maintaining the system themselves. And they can now access and control the irrigation system from a computer, tablet, or phone anywhere in the world.

Impressive Water Savings

The ten WS-PROLT Weather Stations installed throughout the parkland and sportsground system enabled IQ to create customized irrigation schedules based on rainfall to reduce overwatering and maximize water efficiency.



APPROACH:

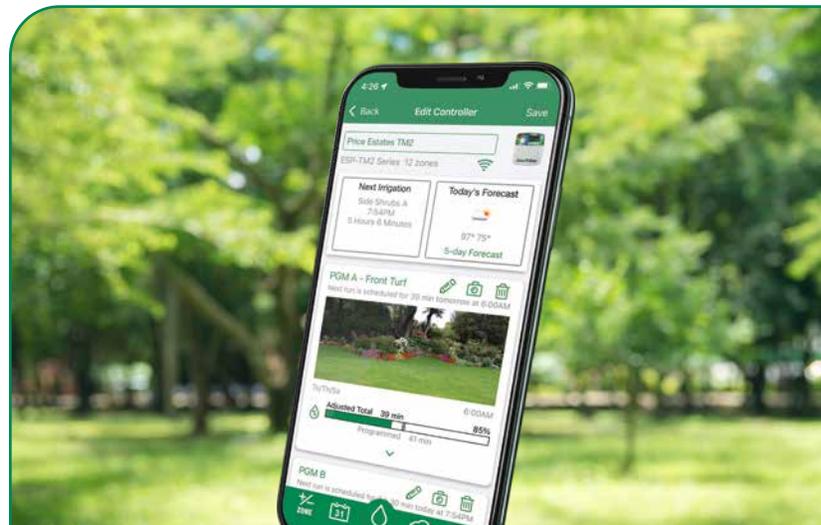
Install ESP-LXMEF Controllers

These dynamic controllers offer flow sensing and management with a modular station capacity. They offer endlessly customizable programming for water flow.

"The ESP-LXMEF controller is very straightforward to install, and the flow sensing capability of IQ is really powerful, especially for this customer," said Brett Peel of TIS.

Weather Sensors

The weather sensors collect data on rainfall and cold temperatures and enable IQ to create customized irrigation schedules based on the weather data for each individual site. Rain Bird Central Control Systems automatically shut off or suspend irrigation when specific rainfall, temperature, or wind conditions are met and can resume irrigation when weather conditions return to the acceptable range for irrigation.



“ It is great to have a mobile system that I can check on an iPad or phone when I am away from the office.

BRIAN ASHCROFT
ACT GOVERNMENT MANAGER,
SPORT AND RECREATION FACILITIES