

IRRIGATION AUDITING

- Irrigation auditing is a proven method to effectively maximize the usage of water within automatic irrigation systems, such as golf courses, urban landscape commercial properties and sports fields.
- Rain Bird customers have seen the benefits of including an irrigation audit into water conservation programs, with reduced water consumption and improved overall efficiency to their irrigation systems.
- Rain Bird irrigation audits consist of three main activities: system inspection from reservoir to sprinkler, performance testing and irrigation scheduling. Each activity in itself can result in significant water and energy savings.
- The Rain Bird audit service consists of an onsite technical inspection concluding in a detailed report based upon the analysis of the measurements carried out on site.

ONSITE VISIT CONSISTS:

- Measurement of sprinkler precipitation and uniformity of application.
- Inspection of sprinkler selection, positioning, operating conditions and available water pressure.
- Calculation of irrigation programming considering sprinkler precipitation rates and plant requirements.
- Check of hydraulic network pipe sizes, regulation, balance of sub network, and working conditions.
- Check of electrical network cable sizing, protection and working conditions.
- Water resource plus pumping plant analysis of condition, operation and adaptation based upon quantity and quality of available water.
- Central control system operation analysis and adaptation to actual requirements taking into account the system limits.

RAIN BIRD PROVIDES A DETAILED REPORT INCLUDING:

- Proposition of modification in order to improve system efficiency, performance and water consumption.
- Preparation of irrigation scheduling based upon sprinkler rate of precipitation and plant requirements.
- Classification in priority order of technical recommendations.
- Cost saving study of water, energy and maintenance.

