

# **Irrigation System Audit Program Description, Terms, and Conditions**

## **Purpose:**

In an effort to further improve upon water conservation the Bay Laurel Center Community Development District (the District or BLCCDD) is conducting a cooperative funding initiative project with the Southwest Florida Water Management District (SWFWMD) that will make available Irrigation Water Audits at residential homes within the BLCCDD Service Area. An irrigation audit is a procedure used to collect and provide information about the uniformity of application, rate of precipitation, and overall condition of an irrigation system. The District will provide four-hundred (400) irrigation water audits to aid in correcting deficiencies in existing irrigation systems and promoting efficiency improvements. The following components will be included in the irrigation audit:

1. Visual Inspection of the Irrigation System-
  - An irrigation auditor observes each zone in a sprinkler system and the landscape surrounding sprinkler heads to identify sources of inefficient water use: broken, damaged, or leaking heads; improperly positioned sprinklers watering streets and sidewalks; sprinkler heads too low or off vertical; sprinkler heads improperly spaced or arranged in pentagon patterns instead of water-conserving triangle or square patterns; misting around sprinkler heads (excessive water pressure) or large water droplets falling close to heads (low water pressure); and poor system design features (no automatic or manual shut-off during rainy weather, non-uniform sprinkler heads used).
2. Determination of Average Application Rate for Turf Zones –
  - Information from the calculation of an Average Application will be used to make run time reduction recommendations.
3. Analyze water requirements and irrigation use in the context of each site's unique conditions –
  - An evaluation of the landscape features present at a site provides a great deal of information about that site's water requirements. Factors to consider in developing a watering schedule include the types of plants present and the depth of their roots; whether they are growing in sun or shade, on flat areas or slopes; the presence or absence of a thatch layer in turf; whether or not non-turf plantings are mulched; soil texture and structure; and evidence of compaction and drainage problems.
4. Review and Development of Irrigation Schedule –
  - An irrigation auditor will review a site's current irrigation schedule (amount of water applied and the interval between watering events), and make recommendations based on the utilization of the water meter readings, zone square footages, soil conditions, and plant water requirements, considering local climate and rainfall patterns.
5. Make minor adjustments to irrigation components.
6. Make maintenance recommendations to keep the irrigation system working reliably and cost effectively.

**Cost:**

This program will provide one (1) Irrigation System Audit per residential dwelling up to four hundred (400) total dwellings at no cost to the customer. The BLCCDD and SWFWMD will each contribute 50% of the cost of each Audit.

**Process:**

The following procedure will be utilized for the determination of qualification and approval of participation:

1. The applicant will submit an application to BLCCDD.
  - a. At the time of application, BLCCDD staff will determine if the Annual Average Monthly Usage meets the threshold of 14,500 gallons or more.
  - b. If the applicants Annual Average Monthly Usage is 14,500 gallons or more, BLCCDD staff will provide a letter of authorization to the resident for scheduling the audit with BLCCDD's irrigation contractor.
  - c. The resident will contact the BLCCDD Irrigation Contractor and schedule the audit
2. BLCCDD's irrigation contractor will perform the above described audit and provide a summary report to the resident and to BLCCDD.
3. BLCCDD staff will review the summary report to determine compliance with the Audit requirements.
  - a. BLCCDD staff will perform a follow up evaluation appointment with the resident to determine if the recommendations made by the irrigation contractor are being utilized and followed.

**The Applicant Requirements:**

To qualify for the upgrade program, the applicant must meet and agree to the following terms and conditions:

1. Own a home within the BLCCDD service area.
2. Monthly Average Usage meets the threshold of 14,500 gallons or more.
3. Currently have an existing irrigation system owned and maintained by the applicant.
4. Allow irrigation contractor to inspect the irrigation system.
5. Allow BLCCDD to perform a follow up evaluation appointment with the resident to determine if the recommendations made by the irrigation contractor are being utilized and followed.
6. A maximum of one Irrigation Audit will be performed per dwelling.
7. Funding is limited and only four hundred (400) Irrigation System Audits are available.
8. The Irrigation Audit Program is contingent upon approval of funding from related parties and in the event funding is not available the program shall be rendered null and void.
9. BLCCDD and the SWFWMD reserve the right to alter this program at any time.
10. Program ends on December 31, 2026.

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(Print Full Name)

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(Signature)

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(Date)

## **Irrigation System Audit Program**

### **Customer Application**

A Cooperative Funding Program between the Bay Laurel Community Development District (BLCCDD) and the Southwest Florida Water Management District (SWFWMD).

Name: \_\_\_\_\_

Service Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Alt Phone: \_\_\_\_\_

Email: \_\_\_\_\_

### **Waiver:**

I certify that I have received, read, understand and agree to the terms and conditions of this Irrigation Audit Program. The undersigned expressly agrees that the BLCCDD or its designee may inspect all qualifying Irrigation Systems and participate in all follow up evaluations. The undersigned agrees that the BLCCDD, SWFWMD, nor any other related entity, (hereinafter the Grantors) do not warrant any equipment, installation, or inspection to be free of defects, the quality of workmanship, or the suitability of the premises. The undersigned acknowledges that they are solely responsible for the operation and continual maintenance of the components related to this program. The undersigned further agrees to defend, indemnify, and hold harmless the Grantors, their directors, officers, employees, vendors, and contractors against all loss, damage, expense, claims, suits and liability, including attorney's fees resulting from the loss, destruction, or damage to property arising out of or in any way connected with this Program.

\_\_\_\_\_  
(Print Full Name)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)