



Smart Irrigation with a Conscience

A SOLUBLE INVESTMENT THAT SAVES MONEY,
SAVES WATER AND PRESERVES THE ENVIRONMENT

Environmental Designers

IRRIGATION



Did you know?

Since 2007, Environmental Designers Irrigation has had the first **Certified** Water Conservation Specialist in New Jersey.

Environmental Designers Irrigation (EDI) specializes in the design, installation and maintenance of commercial and residential irrigation systems in New Jersey and Pennsylvania. Established in 1990, EDI is known for its forward-thinking, troubleshooting techniques and excellent customer service; and has positioned itself as a leader in water-conservation auditing and implementation techniques. With service vehicles that are fully equipped with laptop computers, navigation systems and logistic software, EDI's work tickets are processed and dispatched directly to the vehicle from our main office. This allows EDI to modify a technicians daily schedule in real-time, but also drastically reduces response time during emergency situations and properly prepares the technician with the vital information that is needed to correct the problem quickly, efficiently and in a timely manner. All service calls are followed by a detailed report that documents damage, repairs and the time frame that the technician was on-site.

President, Gaetano Virone, leads the team with almost 20 years of experience in the irrigation field. He has had four years of architectural training at NJIT, holds a BS from NYU's prestigious Stern School of Business in both CPA Accounting and Finance. He is a licensed NJDEP Irrigation Contractor, Certified Irrigation Contractor, Certified Water Conservation Manager, Certified Landscape Irrigation Auditor and is continuously taking supplementary training courses in the field of irrigation and turf grass maintenance to better serve his clients.

EDI is a member of the Better Business Bureau, Irrigation Association of New Jersey, National Irrigation Association and the Community Association Institute, New Jersey Chapter.



CONSERVATION *at a glance*

Water, it's our **most precious** natural resource and also very expensive when it's used to support modern-day landscaping. In the United States, **lawn and landscape irrigation** contributes to 2.9% of national water usage. In New Jersey, water consumption during the summer almost doubles over the usage of winter months.¹ New technologies, including remote controls, smart controllers, and weather stations can greatly reduce the costs associated with irrigating and maintaining lawn and shrub areas, while conserving water and preserving the environment.

STEP 1

The first step is to repair failing systems. Contact an EDI specialist to come on-site to review current issues such as broken equipment including heads and pipes and review areas that are being over or under watered to assess the current system.

STEP 2

The second step is to install “smart and remote controllers” that are implemented with on-site weather stations that can actually reduce watering costs by up to 50% depending upon your current irrigation system settings. How is this possible? Site-specific information that relates to the irrigation system and weather conditions are taken into consideration to create a new watering schedule every day. This new technology reduces water usage and saves money on service calls specifically made to adjust watering times for seasonal changes.

STEP 3

The third step is to have an Irrigation Audit to determine the state of your irrigation system and develop a roadmap to improve performance and lower associated costs. By simply ensuring proper coverage, efficient equipment, and consistent upkeep and maintenance of your irrigation system, you can reduce irrigation costs, as well as water usage costs.

¹ “Annual Conservation Guide.” United Water NJ, 2008.

CONSCIOUS *products*

Weathermatic SmartLine SLW Series On-Site Weather Monitor

Save up to 50%+ on your water bill.
It's about Time, Money and Obviously...Water.

Take control of managing your water bills while keeping your landscape healthy and beautiful all-year-round. The award-winning SmartLine On-Site Weather Monitor combines patented technology with easy-to-use features, making lawn and garden care smarter than ever. When an EDI specialist installs SmartLine it ensures that your landscape gets the right amount of water, where it needs it and when it needs it.

How does it work?

The weather monitor readings and controller inputs for plant and sprinkler type are issued by your EDI Specialist to determine the right amount of water for each zone within your property. The SmartLine calculates water usage on a daily basis in real-time so your landscape investment is protected, while saving 20-50%+ on your water bill! Second, inputs for soil type and slope allow SmartLine to create run and soak cycles to eliminate wasteful runoff. Last, the weather monitor has integrated rain/freeze sensing so you never water in rainy or freezing conditions and comply with local regulations.

Benefits of Water Management

1. Omit What Isn't Necessary:

Hours: comply with the law and avoid watering in the heat of the day when evaporation is high;

Days: eliminate watering on days when lawn maintenance or restrictions apply;

Dates: eliminate watering on annual event dates such as July 4th.

2. Rain delay features prevent watering for 1-7 days before resuming the normally scheduled operation

3. Automatic seasonal % adjustments are made by-month and by-program into pre-programmed water schedule changes throughout the year

Contact Your Environmental Designers Irrigation Specialist at 866 373 2775 for more information.

IS IT EXPENSIVE TO CONVERT TO SMARTLINE?

"The initial investment is more expensive than conventional timers and controllers. When customers find out they will save 20 to 50% on their water bills and the system will pay itself within 12 to 18 months, the decision is simple. SmartLine is the most affordable 'smart system' on the market."

Gaetano Virone
Environmental Designers Irrigation

DOES "SMART IRRIGATION" WORK WITH WATER RESTRICTIONS?

"Our common area landscaping looks terrific! We switched over to SmartLine more than a year ago when water restrictions were enacted. The system performed exactly as we had hoped and helped us save 40% on water costs, plus it eliminated a run-off problem we had on entry berms. We've become more water-wise and see immediate benefits in 'smart irrigation'."

Conan Cantwell
Oak Tree Estates

DOES IT REALLY SAVE WATER?

"SmartLine is a revolutionary product and has changed the way we irrigate. For example, we converted the landscaping at a condominium resort in Kona, Hawaii, to SmartLine. The water savings have been so dramatic that the resort asked us to convert additional sites. Assuming the next six months of water savings are equal to the first six months, we will realize a savings of six million gallons of water the first year alone."

George Kenney
Soundview Landscape

EFFICIENT *irrigation*

14 Tips for Water Conservation

01

Know how to run your irrigation controller and change watering times.

02

Adjust the watering times (in minutes) and frequency of watering (daily, twice a week, etc.) based on weather conditions.

03

Change your settings to adjust for seasonal differences and reset the timer when needed.

04

Ask your contractor to install an inexpensive rain shut off device.

05

Have a certified irrigation auditor check for leaks, broken heads and other potential problems annually.

06

Ensure that your maintenance contractor is certified, licensed, insured, reputable and legally authorized to maintain irrigation systems in your area.

07

Run your irrigation system after the sun has gone down or early in the morning.

08

Do not water on windy days, as much more water is lost to evaporation than makes it down into the soil.

09

Ensure that your spray and sprinkler heads are properly adjusted to avoid watering pavements and other non-landscape areas.

10

Shady areas require 30% less water than sunny areas, adjust watering accordingly.

11

Use a drip irrigation system to water trees and shrubs where possible.

12

To eliminate runoff, set your clock to cycle 2-4 start times (no longer than 5 minutes each), 1 to 2 hours apart to allow water to soak into the soil. For example water three times for 5 minutes, instead of 15 minutes all at once.

13

Develop a separate drip watering schedule for trees, shrubs and flower beds.

14

Aerate in the spring and fall to loosen soil and reduce runoff.

OUR services

Our strategic scheduling of services and high level of detailed reporting and accountability have proven to reduce high-cost, low-return service calls to an absolute minimum. When EDI is hired to take over a site, it has been proven that paid maintenance time for an on-site technician decreases from 4-5 full days, to 1-2 half days per week.

IRRIGATION SYSTEM INSTALLATIONS AND MODIFICATIONS

- Irrigation Systems
- Submersible & Fountain Airflow Systems
- Water Main Supply Piping & Tapping
- Irrigation Water Conditioning Systems
- Backflow Prevention Devices
- Irrigation Wells

SYSTEM MAINTENANCE

- Irrigation Systems
- Irrigation Water Conditioning Systems
- Submersible & Fountain Airflow Systems
- Backflow Device Testing, Certification & Maintenance
- Water Conservation Strategies
- Irrigation System Audits

EDUCATIONAL WORKSHOPS

- Backflow Device Testing & Maintenance
- Irrigation System Components & How They Work
- Water Conservation Strategies

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