

Irrigation for a Greener Tomorrow



Spring 2011
Commercial Edition

University Sprinklers is Proud to Provide Irrigation for LEED Certified Olympic Venues



University Sprinklers is proud to have been trusted with the task of contributing to the design and installation of irrigation systems at LEED (Leadership in Energy & Environmental Design) Certified Olympic venues, including the Richmond Olympic Oval and the Whistler Athletes' Village. At the oval, the roof doubles as a massive rainfall recovery sys-

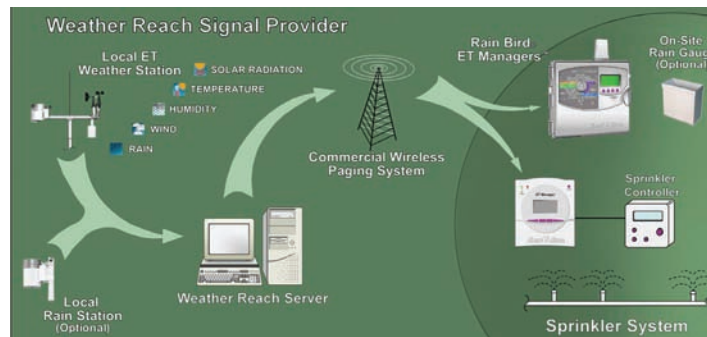
tem. The water is diverted into an onsite pond which in turn feeds the irrigation system. At the Whistler Athletes' Village, various water saving methods are used, including drip irrigation (very efficient), PRS pop up heads, which use less water than conventional heads, and superior U-Series Rain Bird nozzles which disperse water more evenly, and therefore more efficiently.

We Are Investing in a Greener Tomorrow, Today!

At University Sprinklers we have established our own Lower Mainland-wide network of remotely reporting weather stations. Why? This lets us provide accurate, real-time evapotranspiration and rainfall data to the weather-based "ET Controllers" we install.



Weather-based controllers will be our strongest water savers in years to come. They use ET (Evapotranspiration) data from our network of robust scientific grade weather stations. Real-time links to these weather stations provide detailed weather data we use to fine-tune irrigation to the point where we irrigate only when truly necessary.



continued on p.2...



Our Continued Commitment

Certifications and industry-wide recognition have always been important to us. University Sprinklers as a company is recognized as a Certified Irrigation Contractor in both the Commercial and Residential fields.

We are also strongly committed to keeping our employees at the head of the pack when it comes to training and education, and we are very proud to be able to say that we have more employees with Irrigation Association certifications than any other company in Canada, so you can be sure that your irrigation and landscape lighting systems will be expertly designed and installed by well trained, highly qualified professionals. We have...

- Certified Irrigation Designer Commercial - 3
- Certified Irrigation Designer Residential - 10
- Certified Irrigation Designer Trickle - 1
- Certified Irrigation Technician Level 1 - 20
- Certified Irrigation Technician Level 2 - 14
- Certified Landscape Irrigation Auditor - 2
- Certified Low Voltage Electrician - 7
- Certified Cross Connection Specialist - 9
- Certified Irrigation Scheduler - 4
- Accredited Rain Water Harvester - 1



A Greener Tomorrow through ET Data

continued from p.1...

ET Managers use Real-Time Weather Data to Gain Savings of 30 - 50%

With the ET Manager™, water savings of 30-50% can usually be expected, and additional programming options offer exceptional flexibility of control over your irrigation system. Suitable for large residential and commercial systems, the ET Manager™ Cartridge can easily retrofit into any ESP-LX Modular controller. Unlike the SMT controller, the ET Manager™ takes real-time weather data from a sophisticated wireless network of state-of-the-art weather stations measuring not just temperature and rainfall, but solar radiation, humidity, and wind speed.



How New Weather-Based Controllers Improve Plant Health, Use Less Water and Save Money!

ET Controllers promote healthier landscapes and conservation of water by only irrigating when necessary, and allowing roots to grow deeper. In past, regular controllers have been set to come on for a per-determined amount every watering day, regardless of the weather. Zones are typically set for summertime highs, unfortunately affording necessary waste on the shoulder season before and after the summertime high.



ET Controller Sample Pricing

Lx-m controller and cartridge including programming: \$1,600.00 + tax for 8 zones or less. \$150.00 per zone for zones 8 and above. Annual weather data: \$199.50 per year for 8 zones or less, plus \$9.95 per zone after that.

ET based controllers instead are **constantly** adjusting their run times on each zone, taking into account factors that are programmed in by our staff during installation **and** the daily ET data that is sent to the controller from our weather stations. Live (not historical) ET data is used to maximize water-savings. The weather data includes six key weather data factors: True evapotranspiration (ET), Solar Radiation, Temperature, Humidity, Wind, and Rainfall, to constantly and automatically adjust irrigation.

Remote Site Monitoring Provides Peace of Mind

With ET-based controllers, we also offer remote-monitoring of larger sites! We can install a remote-sensing system that allows us to control and monitor your site from our office. Not only to you get the water savings of weather-based data, but you also have the security of knowing we can detect problems remotely and dispatch technicians before on-site damage can occur. We can detect "high-flow events", such as pipe breaks due to vandalism, before major property damage happens. We can also detect system failures such as wire damage during construction that fails to operate a control valve. Our system can detect this "low-flow event" before the landscape suffers from lack of water. Call for details!



How do I Start Saving?

Installing a new ET-based controller is easy, but it isn't as simple as replacing the old timer. One of our technicians will audit your site, to assess your existing irrigation system and pinpoint any further water-saving measures that we can implement. We will then use this report to provide a quote.



What is Evapotranspiration?

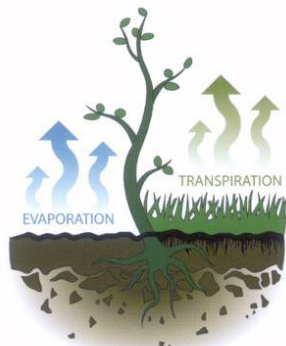
Evaporation of water from the soil

PLUS

Transpiration of water from plants.

Input needed to measure ET:

- Solar Radiation
- Temperature
- Wind
- Relative Humidity




www.UniversitySprinklers.com
Irrigation & Landscape Lighting Specialists

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Metro Vancouver Lawn Sprinkling Regulations (June - September)

Odd-numbered addresses:
Thurs. & Sun.
4AM - 9AM & 7PM - 10PM

Even-numbered addresses:
Wed. & Sat.
4AM - 9AM & 7PM - 10PM