THE CITY OF SANTA CLARITA GETS SMART ABOUT IRRIGATION MANAGEMENT
About HydroPoint

Leader in Water Management

- Over 24,000 WeatherTRAK customers nationally
- Delivering Smart Irrigation technology and services for over 13 years
- Headquarters in Petaluma, CA
- Work with California cities, schools and private companies to meet water management goals
- Deliver compelling and proven Return on Investment
Leading CA Companies Use Smart Irrigation
Leading CA Municipalities Use Smart Irrigation
What is Smart Irrigation

“The primary goal of a smart controller is to reliably match the actual irrigation application to the theoretical irrigation requirement of the landscape or the crop being irrigated.”

Irrigation Association
What is Smart Irrigation

Irrigation consumes over 50% of urban water across the US

Traditional irrigation “timers / clocks” are not designed to save water

Over-watering costs millions of $$$$ 
- Water bills
- Run-off fines and damages
- Liabilities and costs to address mold, puddles, plant disease, erosion etc.
- Landscape replacement
- Poor PR / environmental stewardship
What is Smart Irrigation

What Makes a Controller “Smart”

Weather Data
• Sensor vs Service

Scheduling
• Time Based vs Budget Based

Remote Network Managed
• Central Internet vs Stand Alone
What is Smart Irrigation

National Performance Testing – SWAT

http://www.irrigation.org/swat/

EPA WaterSense labeling

http://www.epa.gov/watersense/products/controltech.html
About the City of Santa Clarita

Leading by Example

- Location and size
- Earned reputation for innovation and effective technology use
- Numerous accolades for outstanding programs, services and events
Challenges Faced

• Dwindling water resources
• Rising water rates
• Complying with water use legislation
• Setting a positive example for the community
Leader in Water Management

- 60 Years as Leader in Landscape Maintenance
- Earned reputation as innovation and effective service provider
- Proven best practices approach to exceed customer expectations
- Water Management is core service to the ValleyCrest way of business
Search for a Solution

Process and Criteria

• Evaluated proven solutions to maximize water savings
• Rigorous field testing
• Analyze cost effectiveness
Smart Water Management

Technology Requirements

• Ease of installation
• Power of central internet management
• Reliability of water efficiency
Choosing the Right Implementation Partner

Implementation Partner Selection Criteria

- Issued Open RFP to landscape contractors
- Expertise and experience to ensure that technology achieves conservation and plant health goals
- Reputation and Reliability
- Proven process for wide-scale project management
The Implementation Process

Starts with a Planning Meeting and a Checklist

4 Simple Phases for Success
1. Discovery
2. Field Survey
3. Installation
4. Customer Sign Off
Phase 1: Discovery

- **Goal:** Provide installation team with all necessary information to ensure smooth process

- **Steps**
  1. Locate each controller
  2. Check existing information
  3. Document information
  4. Prep for installation
Phase 2: Field Survey

- **Goal:** Document plant material and environmental conditions that determine irrigation requirements
- **Steps**
  1. Look at types of plants/trees/turf and watering needs
  2. Evaluate conditions such as soil type and root depth
  3. Calculate slope and sun exposure
  4. Determine sprinkler type
The Implementation Process

Phase 3: Installation

- Goal: Plan out the people and equipment needed for efficient installation process

- Steps
  1. Review documentation daily and plan out next day’s schedule
  2. Provide installers with checklist
  3. Install according to agreed scope
  4. Program controllers per survey
  5. Activate controllers on network
Phase 4: Customer Sign Off

- Goal: Ensure work meets project scope and goals
  1. Regular progress reviews
  2. Team approach with installer, manufacturer and city
  3. Final sign off and training to maintenance staff
Project Completion Summary

Fast, Efficient, Predictable

- 300+ controllers installed and programmed per scope
- Project completed in 60 days (60 days ahead of schedule)
- Issues found and solved along the way concurrent to implementation
- No unplanned or added costs
- Strong foundation for success
Measuring Success

Quantifying Results

• Project on time and ahead of schedule
• On track to save 180 million gallons of water annually
• 20%-40% rate hike cost protection
• Compliance automation
• Health of plants throughout the Landscape Maintenance Districts
Thank You

View complete case study at www.hydropoint.com/weathertrak-updates/webcasts.php
Easy Predictable Installation

- All inclusive hardware and communication
- Instant central internet activation
- Modular design for easy customization
- Complete diagnostics ensure proper set up
- Web-based programming for speed and consistency
Smart Water Management Solution

Power of Central Internet Management

- Real-time remote internet control for maximum management
- Customizable email alerts and diagnostics
- Two-way communication
Reliability of Water Efficiency

- Smart Scheduling Engine™
- 6 factors: sprinkler type, system efficiency, soil type, plant type, exposure, slope
- Station-specific programming and control
- Complete user control on restrictions
- Flow sensing abilities
- ET Everywhere™ – high resolution weather data