

CFWI Public Water Supply Water Conservation Program Implementation Survey

October 24, 2014

“STOPR+2” Utilities Water Conservation Programs Surveyed

STOPR+2 Utilities treat and deliver about 57% of the public water supply in the CFWI area

- **St. Cloud**
- **Toho Water Authority**
- **Orange County Utilities**
- **Polk County Utilities**
- **Reedy Creek Improvement District (serving Disney)*, and**
- **Orlando Utilities Commission**
- **Seminole County Environmental Services**

**Reedy Creek was omitted in this survey as not representative of a typical public utility*

Water Conservation Programs Surveyed Include:

- Rates
- Public Education/Awareness
- Irrigation
- Water Loss Reduction
- Automated Metering Infrastructure
- Standards Adoption
- Promotions
- Rebates

Rates

- Inclining block rates
- Water budget rates
- 6 out of 6 utilities have fully implemented inclining block rates
- 1 out of 6 utilities has partially implemented water budget rates

Public Education and Awareness

- Employee awareness programs
- Participation in Community Events
- Classroom Programs
- Online Conservation Tips
- YouTube™ and/or DVD videos
- Bill Inserts
- Annual Drop Savers Coloring Contest
- Fix A Leak Week
- Water Conservation Month – April
 - 6 out of 6 utilities have fully implemented at least 9 of these programs
 - 5 out of 6 utilities have fully implemented at least 11 of these programs
 - 4 out of 6 utilities have fully implemented at least 14 of these programs
- TV, Radio, Print Advertising, Online Advertising,
- Social Media (Facebook & Twitter)
- Direct Mail
- Informative giveaways
- Informative Billing
- EPA Water Sense Partnerships
- Recognition Program for water savers
- Online water use awareness tool

Irrigation

- Irrigation restrictions monitoring and enforcement
- Advanced irrigation technologies (ET, soil moisture sensors, etc.)
- Mobile irrigation labs
- Free irrigation workshops
- Smart irrigation studies
- New land development regulations
- Source substitution with reclaimed water
 - 6 out of 6 utilities are monitoring and enforcing watering restrictions
 - 6 out of 6 utilities are using reclaimed water for irrigation
 - 6 out of 6 utilities have fully implemented at least 3 of these programs
 - 3 out of 6 utilities have fully implemented at least 4 of these programs
 - 2 out of 6 utilities have fully implemented at least 5 of these programs
 - 1 out of 6 utilities has fully implemented all 7 of these programs

Water Loss Reduction

- Advanced leak detection technology
 - Annual water loss reduction reporting (leaks, water main repair and replacement)
 - Adjusting system pressure
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- 6 out of 6 utilities are reporting water loss annually
 - 4 out of 6 utilities have fully implemented advanced leak detection technology
 - 3 out of 6 utilities have fully implemented adjusting system pressure to lower water loss
 - 2 out of 6 utilities have partially implemented adjusting system pressure to lower water loss

Automated Metering Infrastructure (AMI)

- Automated Metering Infrastructure (AMI) Systems provide a tool for:
 - Data for evaluation
 - Watering restriction enforcement
 - Education and awareness
- Expanded use of AMI for monitoring water restrictions
- Piloting soil moisture sensors and ET controllers
- 4 out of 6 utilities have fully implemented AMI; one is beginning the process
- 3 out of 6 utilities have partially implemented AMI monitoring for water restrictions
- 1 out of 6 utilities has fully implemented a pilot program for soil moisture sensors and ET controllers; 1 has a partial implementation

Standards Adoption

- Florida Water Star
 - Leadership in Energy and Environmental Design (LEED) Certification
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- 1 out of 6 utilities has fully implemented Florida Water Star for new development
 - 1 out of 6 utilities has partially implemented Florida Water Star for new development
 - 2 out of 6 utilities have partially implemented LEED standards for their own facilities

Promotions

- Free evaluations of indoor and outdoor usage
- Free sprinklers, shower-heads, aerators, and flapper valves
- Free energy and water conservation kits
- 4 out of 6 utilities have fully implemented all these programs

Rebates

- Low Flow Toilets
 - Water Efficient Urinals
 - Energy Star Clothes Washing Machines
 - Pre-rinse nozzles
 - Air-cooled ice machines
 - Florida Friendly Landscaping and Irrigation
 - Water Cisterns
 - Third party water fixture installations
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- 6 out of 6 utilities have fully implemented low flow toilet replacement rebates
 - 3 out of 6 utilities have fully implemented at least 3 of these programs
 - 1 out of 6 utilities has fully implemented 7 of these programs
 - 1 out of 6 utilities has fully implemented third party water fixture installations

