Florida Water Star Program Overview

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- Florida Water Star℠ is a voluntary certification program for new and existing residential and commercial developments that encourages water efficiency in household appliances, plumbing fixtures, irrigation systems and landscapes.
- Developed by St. Johns River WMD
- Currently supported by SJRWMD, SFWMD, and SWFWMD

Certifications

- **Holistic certification programs**
  - **LEED - Leadership in Energy and Environmental Design (USGBC)**
  - **NAHB - National Association of Home Builders**
  - **FGBC - Florida Green Building Coalition, Inc.**
- **Specific certification programs**
  - **ENERGY STAR®**
  - **Florida Water Star**
  - **WaterSense**

SFWMD Water Star Participation

- 23 single Family Homes Certified to date in District
- Three 2 day Certifier workshops held
  - 60+ total attendees
  - 40 candidates have taken exam
  - 16 candidates have passed exam and are completing apprentice home inspections
- District staff provides free certification inspections to Habitat for Humanity homes
  - 3 Homes certified

Florida Water Star[SM] Versions

Version	Status	Statewide Projects to Date
Residential	Launched in 2006	150
Commercial and Institutional (CI)	Will launch in 2011	6
Community	Pilot testing	2

Florida Water

Florida Water℠

The Certification Process

Residential Tiers

Tier	District	Status
Gold	South Florida Water Management District Southwest Florida Water Management District St. Johns River Water Management District	Launched August 2009
Silver	South Florida Water Management District Southwest Florida Water Management District St. Johns River Water Management District	Established
Bronze	Existing homes in: South Florida Water Management District Southwest Florida Water Management District St. Johns River Water Management District	Established

Standard New Homes

Gallons per household per day = 140 gallons

Source: Analysis of Water Use in New Single Family Homes, EPA 2011

High Efficiency New Homes

Gallons per household per day = 110 gallons

Source: Analysis of Water Use in New Single Family Homes, EPA 2011

Residential Program Goals

20% Savings

Indoors

40% Savings

Outdoors

Residential Components

Landscape

- Appropriate plants
- Percent turf and percent drought tolerant

Irrigation

- Micro-irrigation
- Reduced high volume

Indoors

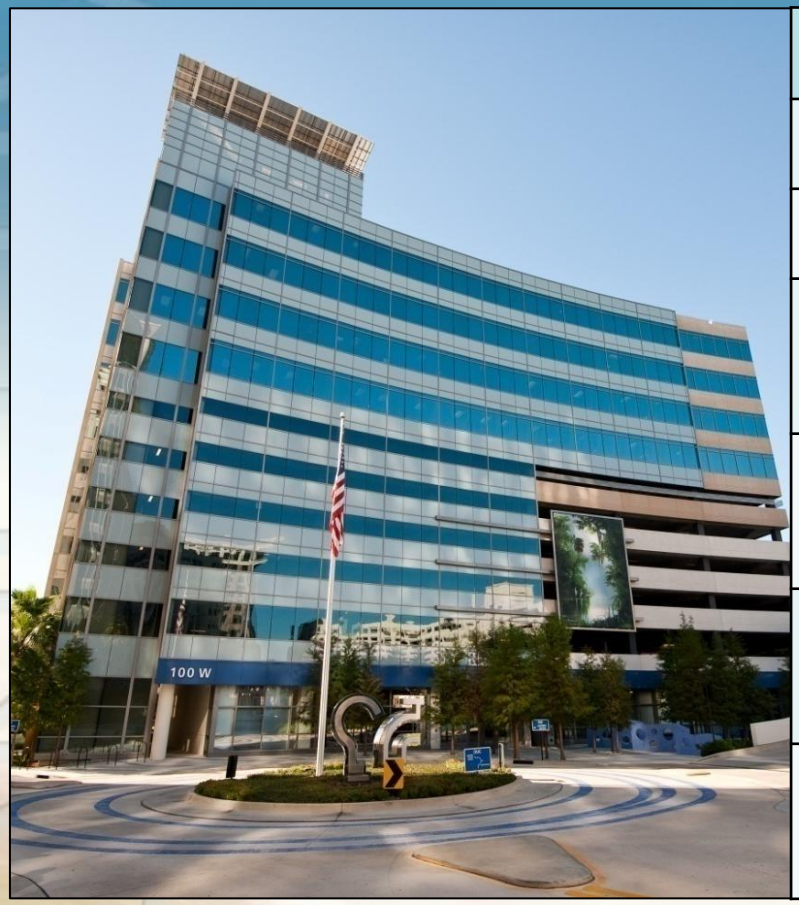
- Water-efficient toilets, showerheads and faucets
- Water-efficient dish and clothes washers

Prerequisites and Points

- **Prerequisites – All projects must comply**
  - **Rainfall sensors on irrigation systems**
  - **Reinforced water supply connections**
- **Points**
  - **High-volume irrigation does not exceed 30% of the landscape area = 20 points**
  - **Clothes washer has water factor of 6 gallons or less = 15 points**
- **Negative points possible**
  - **Multiple showerheads in single stall used simultaneously = -5 points each**

-25 Points!

Commercial Program Details



CI Requirements
WaterSense-labeled fixtures
ENERGY STAR-labeled appliances
Extensive irrigation prerequisites similar to Residential
20-inch (12.5 gallon) per square foot annual irrigation water budget
Landscape design review to ensure correct site and grouping compatibility
Address plant spacing to prevent overly dense landscapes

Community Program Details

Community Requirements
All houses must be certified Florida Water Star^{SM} (FWS) Residential Silver
All amenity buildings must meet FWS CI requirements
Shared landscape and irrigation system must meet FWS CI requirements
Extensive operations and maintenance requirements

Questions?

Florida Water SM

www.floridawaterstar.com