Green Trends 2011
Achieving Florida Water Star℠ – Two Case Studies

Presented by
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Case Study #1

• Renaissance Park – Duplex Models
  – Cartesian
  – Dauphine
Plant Palette

- All plants listed on the Florida Friendly Plant Palette
- Plant Palette listed plants that were not interchangeable due to FWS Plant requirements
Sod

- Irrigated Empire Zoysia front yards
- Un-irrigated (after establishment) Bahia Back yards

- Break point was the front corner of the home
Irrigation system

- Landscape beds low volume/drip irrigation
  - Landscape plants larger than 3 gallon size receive 2 gph emitter
  - Landscape plants 1 gallon and smaller receive irrigated with an adjustable spray spike per 3-4 plants
    - Application rate 0-32 gph

- Irrigated Empire Zoysia
  - Pressure Regulated spray heads

- Un-irrigated Bahia
  - Temporary Rotors on poly line
Benefits of Pressure Regulation

Pressure Regulated

- Increased efficiency at 30psi.
  - Nozzles designed to work at 30 psi with a certain precipitation rate and usage
- Accidents happen, when heads break

Not Pressure Regulated

- Efficiency decreases at higher pressures.
  - Heads use pressure supplied. Application rate and consumption increases
- Accidents happen, when heads break
  - Show psi
Cost comparison

- 3-4 zone system for FWS home
  - 1 drip
  - 2-3 sprays using Pressure Regulation
  $1,600

- 4-5 zone system
  - No drip irrigation
  - All zones may be sprays or rotor depending on size
  $900-$1,400
Water Usage

- **Florida Water Star**
  - Irrigation use only
    4,000-5,000 gallons per month

  *Irrigation based on 2x’s per week during EST and 1x during DST*

- **Current home landscape/irrigation construction within On Top of the World**
  - 15,000-18,000 gallons per month

  *Irrigation based on 2x’s per week during EST and 1x during DST*
Interior Components

- Push Pull valve due to demographic for toilets, sinks, water heater
- Low Flow aerators and Shower Heads
- Dishwashers 5.8 gallons per cycle
- Toilet 1.6 gallons per flush
Thank You

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