



# **Broward County Water Resource Task Force Technical Committee**

Water Conservation  
Cooling Tower Water  
Savings



# Methods of Saving Water

- Condensate Reuse System
  - Collects and reuses condensate
- Zero Bleed System
  - Treats cooling water

# What Should be Done

- Collect A/C condensate and return to Cooling Towers for makeup
- Require no bleed tower water treatment systems – at least two are on the market
- Possible water savings – 5 to 7.5 MGD
- Possible reduce sanitary treatment of 3 to 5.6 MGD

# Condensate Reuse

- Simple as a Rain Barrel for Collection
- Retrofit Could Be Expensive
- Can Be Used for Process Water or Irrigation

# Zero Bleed System

- Water Softener to Control Hardness
- Greatly Reduces Need to Replace Water
- Minimizes Make Up Water
- Low Installation and Maintenance Cost
- High Water Savings
  - 3 million gallons per year at the Broward County Convention Center

# Options

- Prepare Model Ordinance for Individual City Adoption
- Submit Required Changes to Florida Building Code