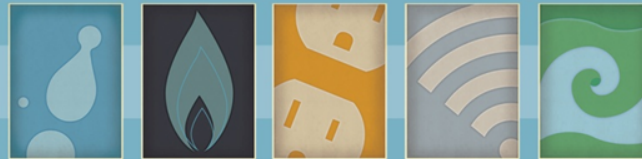


GRU100

100 YEARS of SERVICE | 1912-2012

Water Conservation Cost Share Projects

June 21, 2012



Water Conservation Cost Share Projects

- Partnership with St. Johns River Water Management District (SJRWMD)
- Ultra-Low Flow Toilet Retrofit
- Commercial Kitchen Dish Washing Spray Nozzle



Why Conserve?

- Preserve water resources
- Meet future customer demands
 - Support growing population
 - Water supply concerns



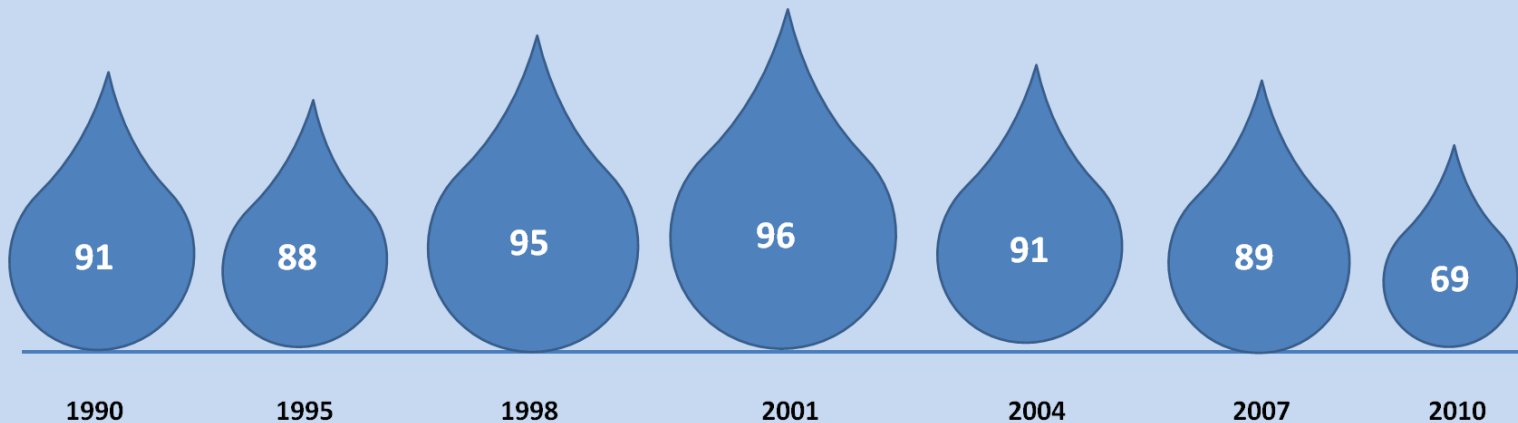
Team Effort

- State & Local Agencies
 - Water Management Districts
 - City of Gainesville
 - Alachua County
- Utility
 - GRU
- Individual Users
 - Public supply
 - Private self supply



Our customers are doing a great job!

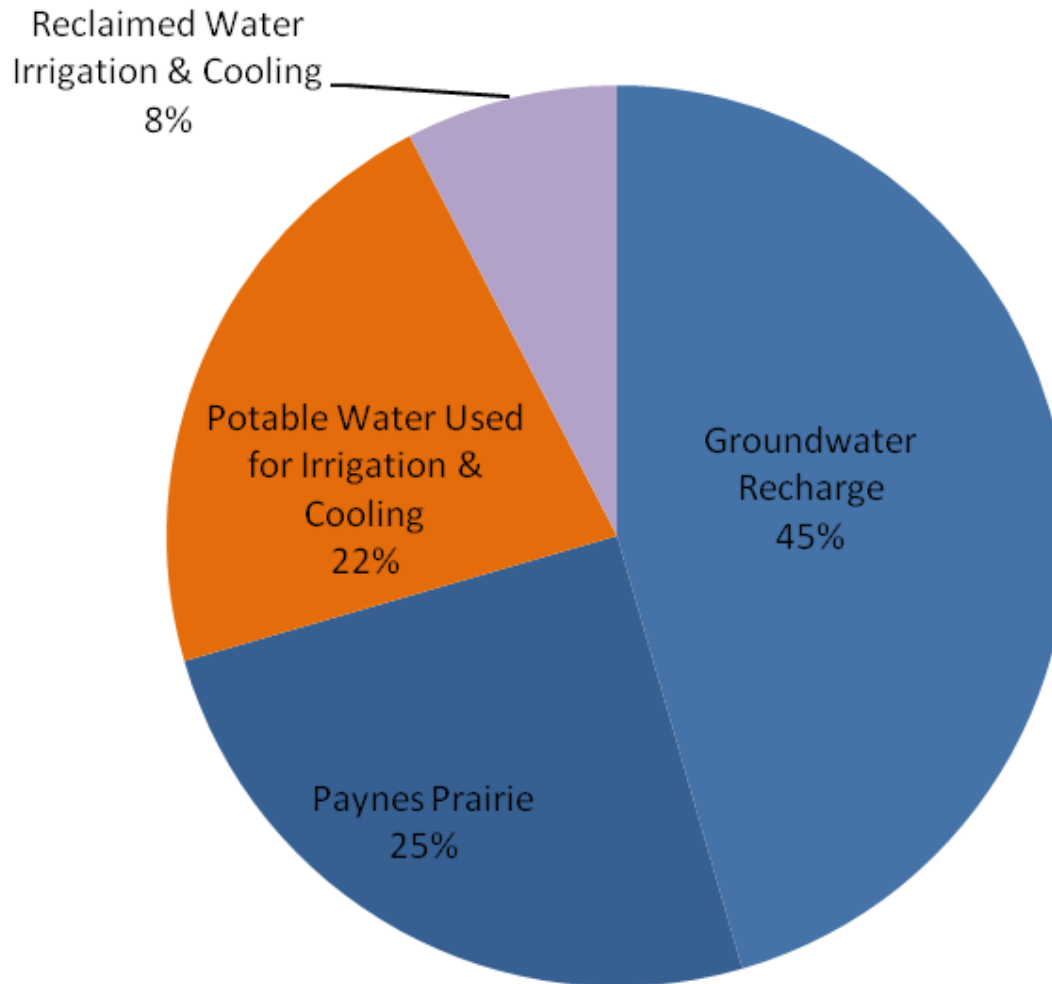
Gainesville and Vicinity Public Water Supply – Residential Use



Average gallons used per person per day.

...and we think we can do even better!

70% of water withdrawn at Murphree is returned to the aquifer



GRU Conservation Efforts

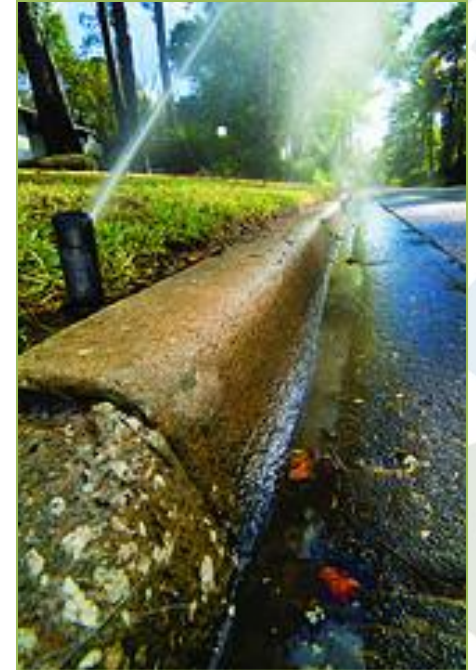
- Efficient System Operations
 - Leak detection
 - Meter change outs
 - Large meter testing
 - Pressure monitoring
- Reclaimed Water
 - Aquifer recharge
 - Irrigation
 - Cooling



GRU's Infiltrating Wetland at Kanapaha Middle School

GRU Customer Programs

- Conservation rate structure
- Education & advertising
- High water user evaluations
- High user surveys
- Irrigation maintenance rebate (\$75)
- Rain sensor rebate (\$25)
- Soil moisture sensor pilot



Partnering with Local Agencies

- Landscaping requirements for new development (City & Alachua County)
- Enforcement of Watering Restrictions (Alachua County)
- Behavior Change Research (Alachua County)
- Promotion of Florida Water Star Program (City & Alachua County)



GRU Partnership with SJRWMD

- St. Johns River Water Management District Water Conservation Cost Share Program
 - Cost share grants to municipalities & other entities to implement *innovative* conservation programs & technologies
 - Up to 50% of total project cost
 - Allows matching with in-kind services/labor
 - Data collection/scientific evaluation

GRU Partnership with SJRWMD

- Soil Moisture Sensor Pilot Study
 - \$43,452 grant - Phase 1
 - \$190,851 grant – Phase 2 (project rescinded due to budget cuts at SJRWMD)
- Indoor Water Conservation Retrofits
 - \$277,061 original award in 2010
 - Placed on hold due to funding cuts at SJRWMD
 - \$151,527 amended award this year

Indoor Water Conservation Retrofits – Business Customers

- Commercial Kitchen Spray Valves
 - Replace up to 500 at local businesses
 - Targeting all commercial kitchens
 - No Charge
 - Typical existing spray valves 1-3 gpm
 - Retrofit High Efficiency - 0.65 gpm
 - *Study will evaluate actual savings*



Indoor Water Conservation Retrofits – Multi-Family

- Multi-Family Residential Toilets
 - Replace 400
 - Installation by property management groups
 - 0.8 gallons per flush Niagara Stealth Toilets



Cost Share Details

- Total Project Cost: Not to Exceed \$303,054
- SJRWMD Grant Award: \$151,527
 - Covers equipment costs
- GRU Match: \$151,527
 - \$52,600 from property management group in-kind services (installing toilets)
 - Remaining from GRU in-kind labor

Summary

- GRU Customers as a whole use water efficiently
- 70% of water withdrawn is returned to the aquifer
- On-going efforts to seek new ways to conserve & help our customers conserve



Staff Recommendation

- City Commission: 1) authorize the General Manager, or his designee, to accept a cost share grant in the amount of \$151,527 from the St Johns River Water Management District (SJRWMD) for GRU's participation in a water conservation pilot study; and 2) authorize the General Manager, or his designee to negotiate and execute procurement contracts necessary to perform the scope of the Optimization and Reliability Water Conservation Retrofits pilot study, including in-kind services and matching funds not to exceed \$303,054.