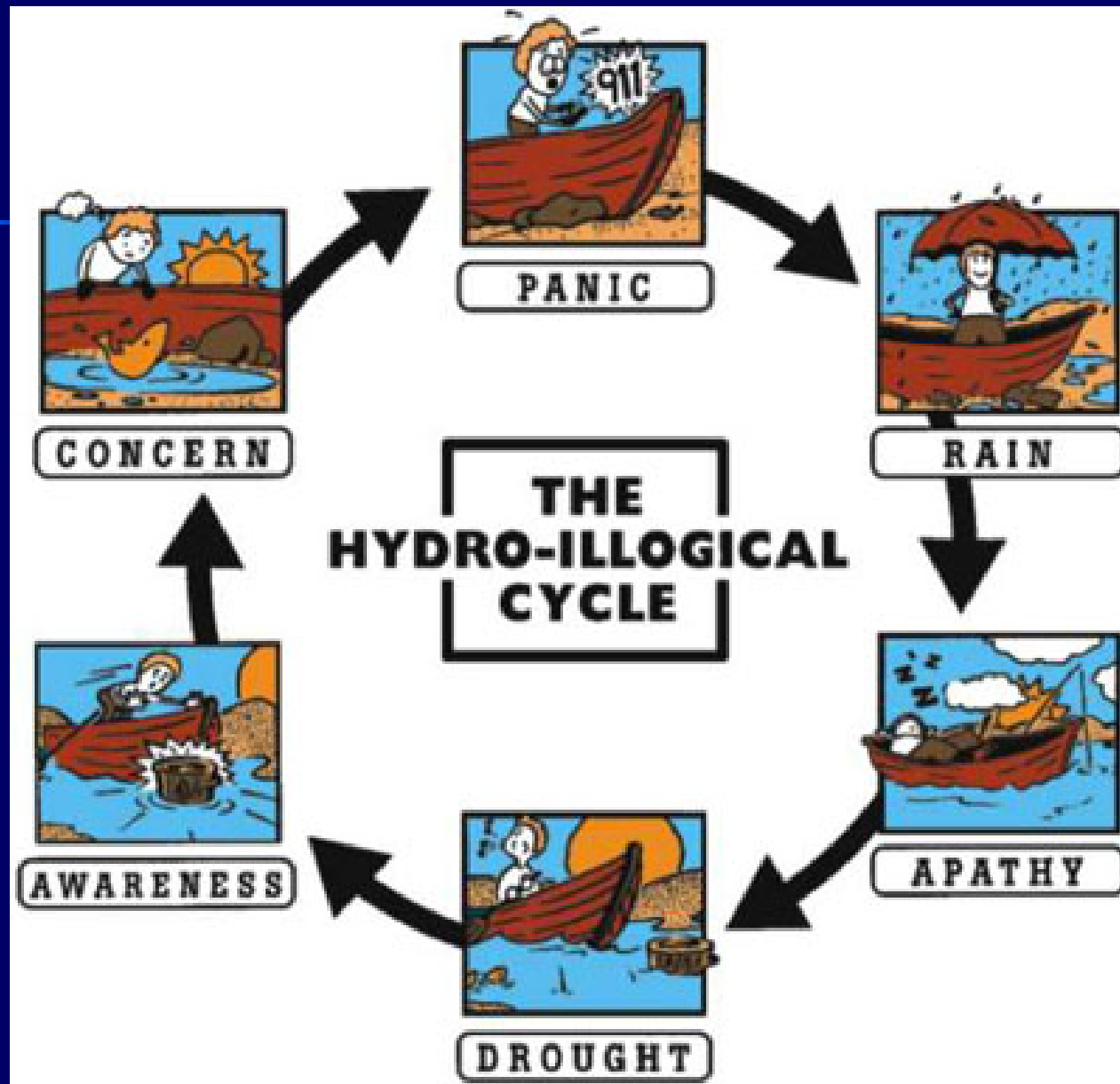


# Water Conservation The Other Water Source




Gary Hunt  
Division of Pollution Prevention and  
Environmental Assistance





# Top Water Efficiency Measures

- 
- Recycle process water
  - Improve maintenance to replace misc. parts
  - Use domestic water efficiency measures
  - Change operational practices
  - Adjust cooling tower blowdown
  - Reuse of condensate water
  - Adjust equipment
  - Repair leaks
  - Install spray nozzles
  - Install/replace automatic shut-offs
  - Reduce dishwasher loads
  - Turn off equipment when not in use

# Use of Reclaimed Water

## An Opportunity



- Reclaimed water can be used for landscape irrigation, dust control, soil compaction, non-potable industrial process, cooling
- Many Cities already using reclaimed water: Raleigh, Cary, Wilson, Johnson Co.
- DWQ is expediting permit approval process for reclaimed water use
- Many municipalities and industries may be able to meet the requirements for reclaimed water with few modifications



# Environmental Stewardship Initiative

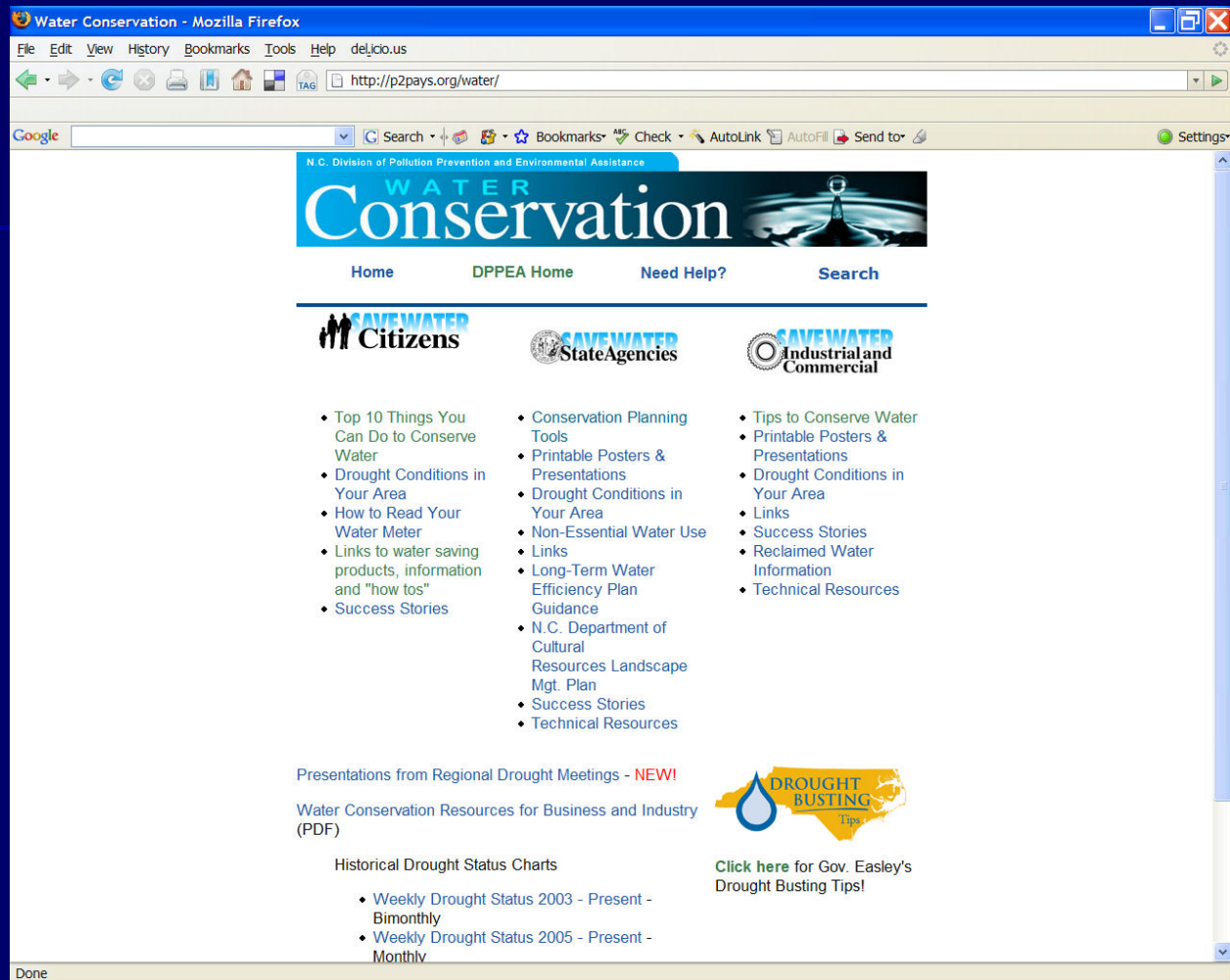
Members reduced water use by over one billion gallons (2003-2006)



A vertical strip on the left side of the slide features a blue background with several water droplets. One droplet is in the process of falling, creating a splash and a clear reflection on the surface below it. Another droplet is positioned above it, and a third is further up. The background of the entire slide is a solid dark blue.

# Current Water Conservation Activities

- Regional Drought Meetings
- Working with Department of Commerce
- Expanded technical information on website
- Water conservation teams
- Technical assistance
- Workshops/outreach



WWW.p2pays.org/water



# Waste Reduction Partners



Services: Water Efficiency, Energy Auditing, Solid Waste Reduction, EMS, and Pollution Prevention Technical Assistance

Approach: Innovative, Efficient, Cost Saving Strategies

Staff: Team of Retired, Volunteer and staff Engineers, Scientists, and Architects

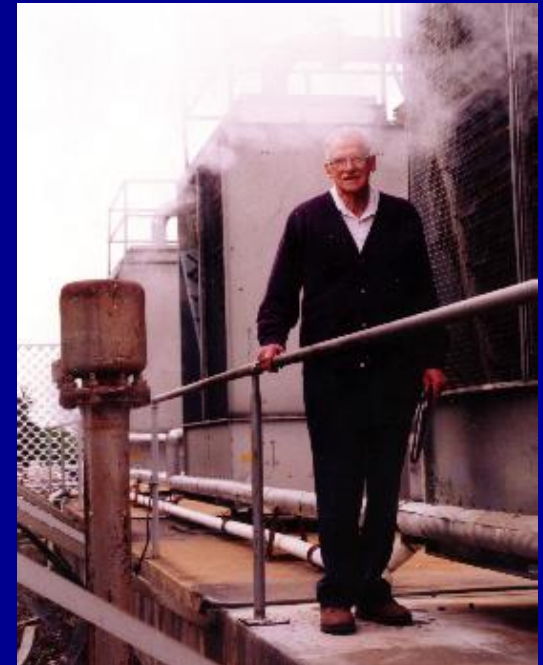
Clients: Business, Industry, Institutions

Service Area: 37 Western NC Counties (expanding statewide)

*Confidential - Non-regulatory - No-cost services*

# WRP Demand-side Management Achievements

- 241 Water Efficiency Assessments
- 219 MGY Water Savings
- Approx. savings: \$1.11 Million/year



# Next Steps: Central WRP



- Partnership with Triangle J COG
- 2-yr Start-up grant from State Energy Office
- Provide 17,300 hour of technical assistance
- Focus on energy conservation and solid waste reduction
- Need permanent funding

# Final Thoughts

- 
- Networking and support for local water conservation specialists
  - Conservation key part of long term planning efforts
  - Technical support and training for business and industrial facilities
  - Incentives for conservation
  - Increased public awareness
  - Research and innovations



“When the well is dry, we  
know the worth of water”

Benjamin Franklin



# NC Division of Pollution Prevention and Environmental Assistance



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Serving NC Businesses, Industries and Government  
Agencies since 1984