



Lower West Water Supply Plan Update



Alternative Water Supply Projects

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LWC Progress

Water Reuse

- Reusing 70 MGD or 83% of treated wastewater
- Expansion of systems under way
- Reclaimed water ASR being developed
- Waiting lists for reclaimed water





LWC Progress

Brackish Water Sources

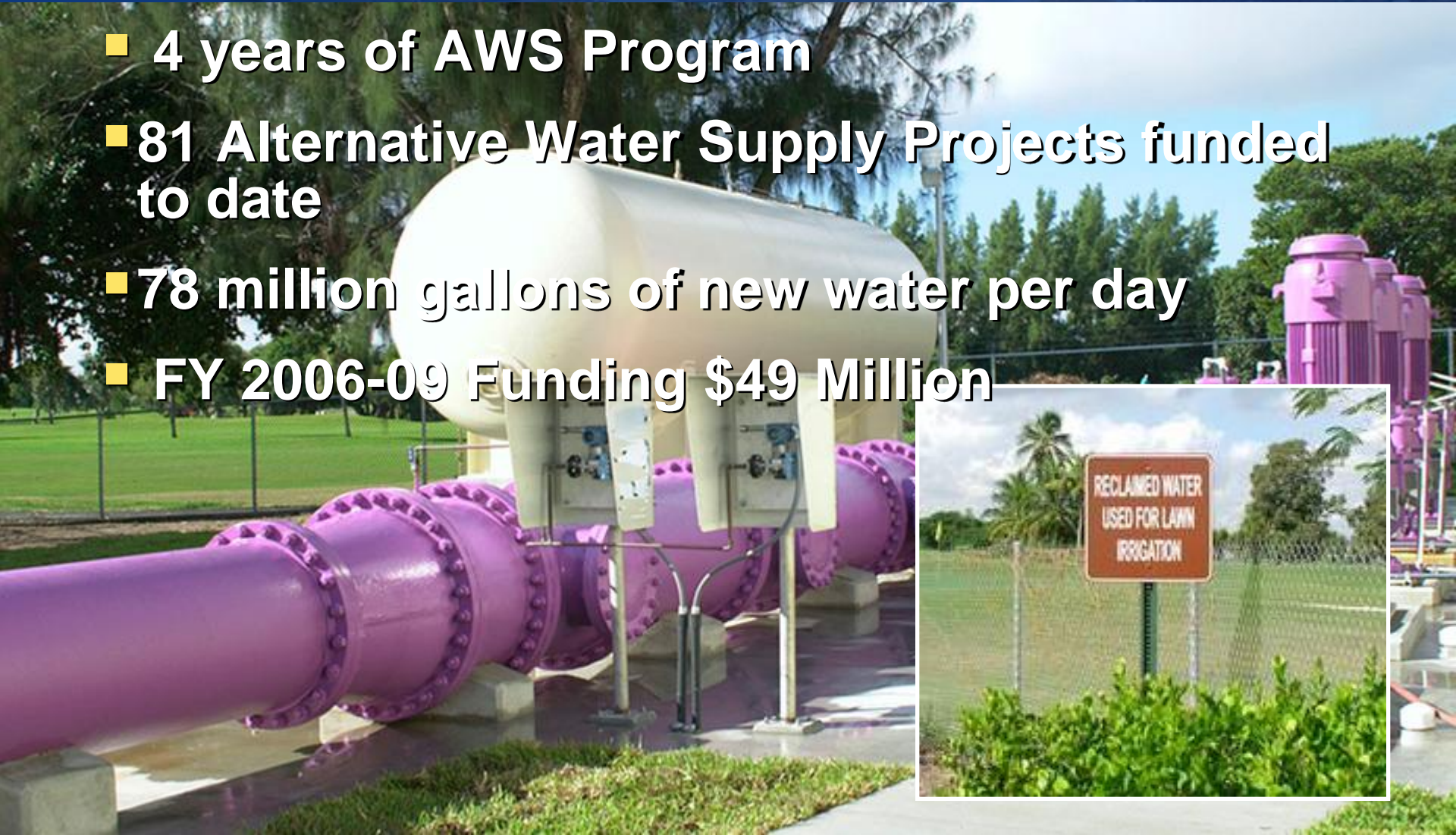
- 15 Brackish Water Reverse Osmosis Facilities
- 87 MGD of existing capacity
- 83 MGD proposed next 20 years





Alternative Water Supply Projects

- 4 years of AWS Program
- 81 Alternative Water Supply Projects funded to date
- 78 million gallons of new water per day
- FY 2006-09 Funding \$49 Million





Lee County & Local Municipalities

To date:

- 37 projects

- \$22.5M

- 37 MGD





LWC Progress

ASR in Collier County

- 18 ASR wells constructed
- 17 proposed ASR wells next 20 years
- Supply Sources
 - Partially treated surface water
 - Drinking water
 - Reclaimed water





LWC Progress

Conservation

- Saving water is the cheapest AWS option
- Conservation Program
 - Demand Management
 - Efficient Use of Water
 - Year-Round Ethic
- Outreach Projects
 - Xtreme Yard Makeover
 - Wings of Hope
 - Workshops





Collier County & Local Municipalities

To date:

- 44 projects
- \$31.4 Million
- 57 MGD





Future of AWS in Collier County

CITY OF NAPLES

- **Develop an additional source of water up to 5 MGD**
- **Reduce consumption of potable water from 270 gallons per capita per day to below 200**
- **Conserve existing potable water supply from Lower Tamiami Aquifer**
- **Reduce reliance on expanded water treatment facilities**
- **Meet conditions of renewed water use permit, 100% reclaimed status**



Future of AWS in Collier County

- Four ASR wells over the next 5 years to allow recovery of 4 MGD to supplement the irrigation system.
- Expand supplemental water supply at a minimum of 5 MGD from Golden Gate Canal (GGC)
- Transfer GGC water to Riverside Circle for storage and/or distribution to irrigation system





Future of AWS in Collier County

- Water Booster Pump Station
- Install pond liner at North County Water Reclamation Facility to increased storage of irrigation quality water

