

South County Reclaimed Water Partnership

**Palm Beach County
Water Utilities Department**

Brian Shields, P.E.
Deputy Director



Quick Overview of PBCWUD

Serves 500,000 PBC residents (unincorporated area)

Florida's 3rd largest water/wastewater utility

6 water treatment plants - 104 mgd capacity

4 wastewater treatment plants – 59.5 mgd capacity

1,200 square mile service area

599 full-time employees

Over \$1.6B in assets







Raw Wastewater

FL. Turnpike

Saving Water by Recycling



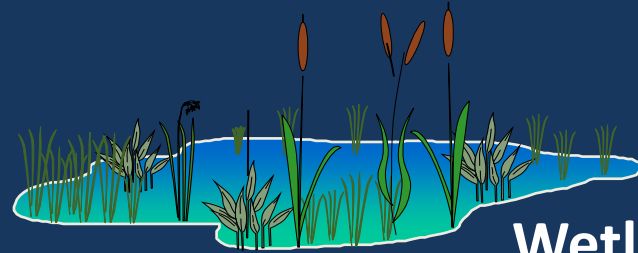
SRWRF - 35 MGD



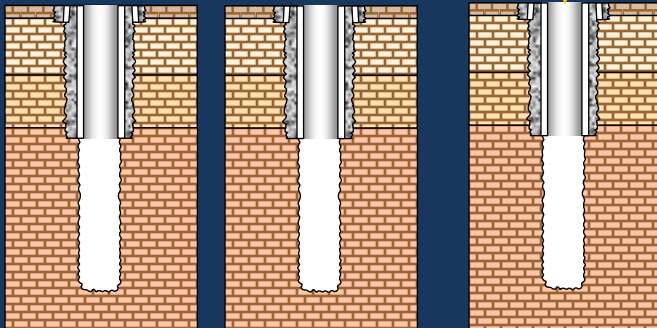
Reuse - 22 MGD



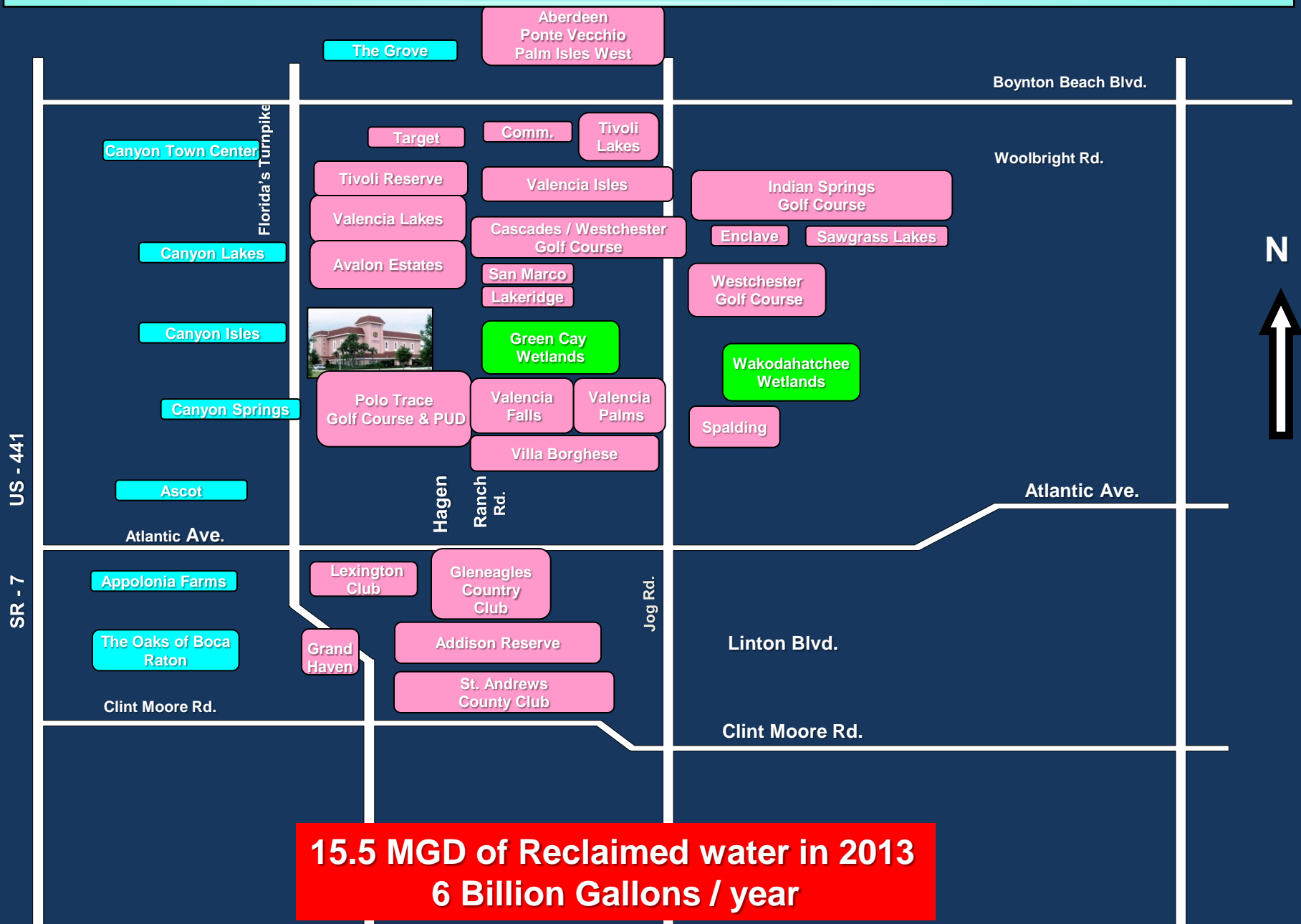
Wetlands



Deep Injection Wells - 36MGD



SRWRF Reclaimed Maxed Out



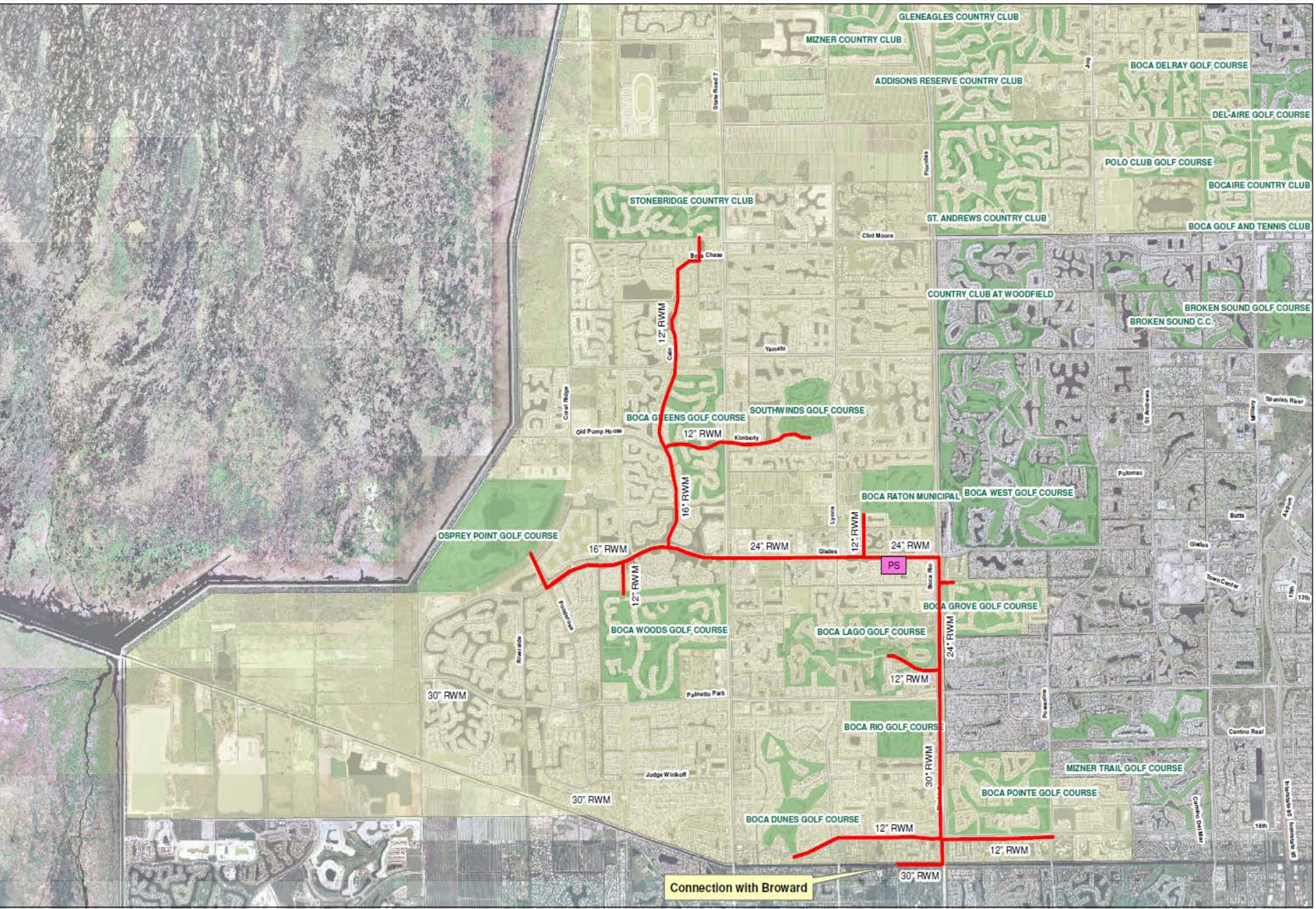
**15.5 MGD of Reclaimed water in 2013
6 Billion Gallons / year**

Broward County has more Reclaimed Water than Customers



A total of 16 potential large reclaimed water users have been identified for this project. Initially 11 are located in PBC.

PROPOSED RECLAIMED WATER TRANSMISSION MAIN



WIN - WIN Regional Project Concept



Broward County:

- Legislative requirement to implement reuse by 2018 and eliminate Ocean Outfall by 2025
- Limited reclaimed water demand

Palm Beach County:

- Heavy demand for reclaimed water in south PBC
- No reclaimed water currently available south of Clint Moore Rd.

SFWMD :

- Project will Eliminate Over 20 MGD of groundwater irrigation

7.3 Billion gallons per year

Key Proposed Business Terms

- **Broward County to construct reclaimed production facilities at North District WWTF and pipelines to point of delivery. (County Line)**
- **Palm Beach County will construct distribution system in South County.**
- **Broward County will finance the Project (No Cost to PBC)**
- **Broward County will hold title to the distribution system in trust for Palm Beach County.**
- **Palm Beach County will lease the distribution facilities from Broward County and operate within PBC. (Lease/Purchase)**

Key Proposed Business Terms

- In years 1-7 Palm Beach County will accept a minimum of 2 MGD average.
- In years 8 and beyond, PBC will accept a minimum of 10.5 MGD average.
- Cost of reclaimed water to PBC \$0.05 per 1,000 gallons, indexed no more than 3% annually.
- PBC will bill customers at published, established PBC rates.
- PBC will pay in the following order of priority: Bulk Rate, O&M, R&R and an Administrative Fee. P&I payments will be made on a “best efforts” basis with no guarantees of amount or timing.
- Title transfers to PBC at end of bond term, bulk agreement remains.
- Minimal cost risk to PBC
- Offsets

Proposed Schedule

- BCC Workshop - August 27, 2013 BCC directed staff to negotiate Agreement with Broward County
- Broward County will execute Inter-local Agreement - Spring 2014
- Palm Beach County will execute Inter-local Agreement - Summer 2014
- Begin design of distribution system - Mid 2014
- Construction of first phase - Mid 2015

2 MGD ADF by 2016 & 10 MGD ADF by 2023



Thank You!