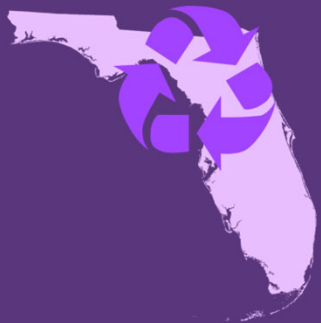


# Water Reuse Week

## May 16-22, 2021



# WATER REUSE WEEK

Governing Board Meeting  
May 13, 2021

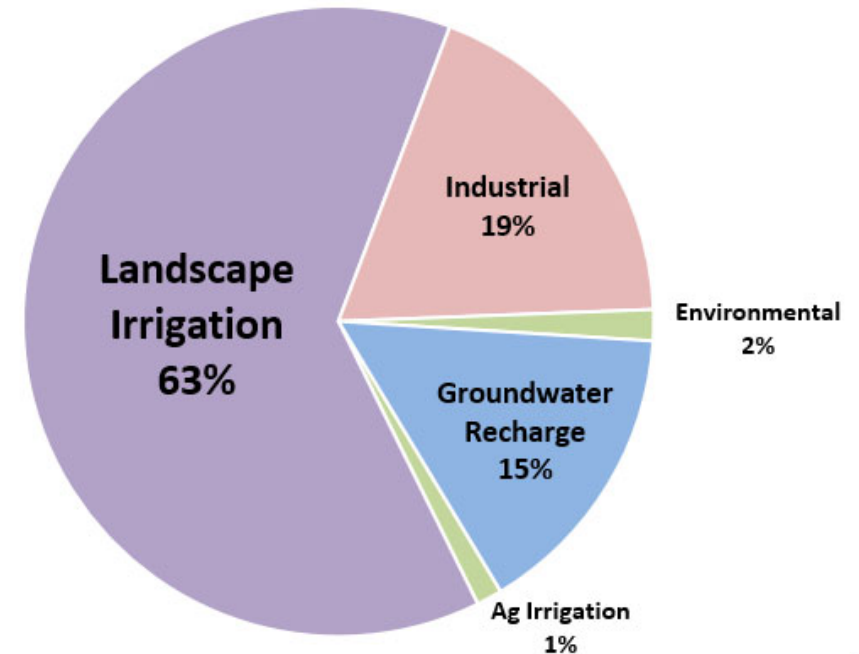
Mark Elsner, P.E.  
Bureau Chief - Water Supply



# WHAT IS RECLAIMED WATER & WHY REUSE IT?



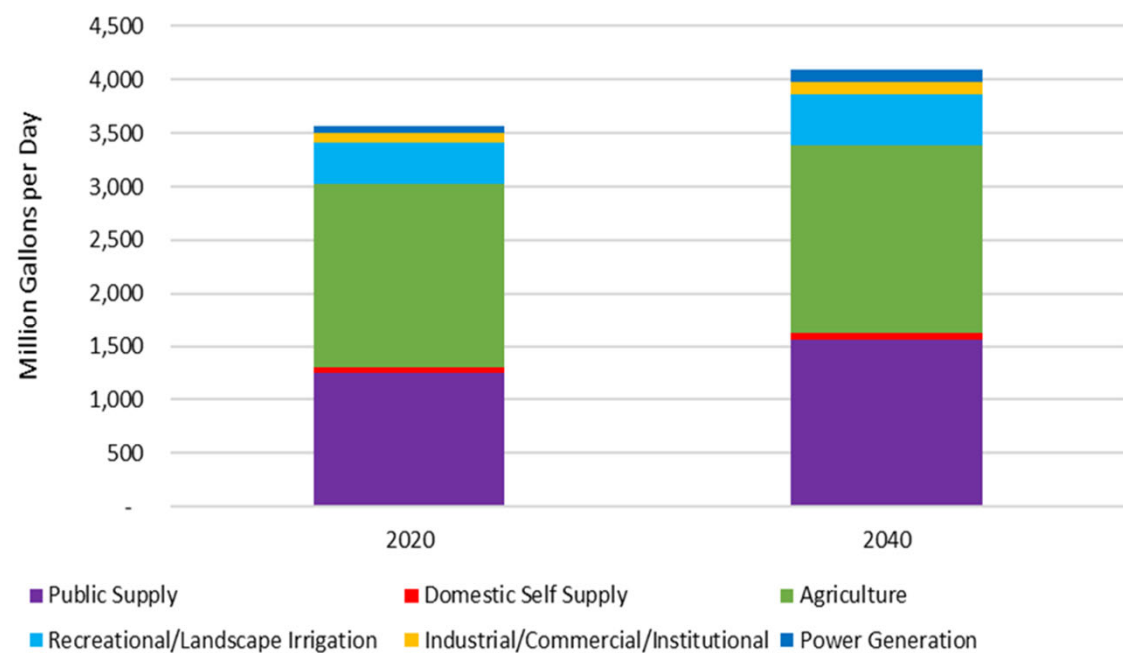
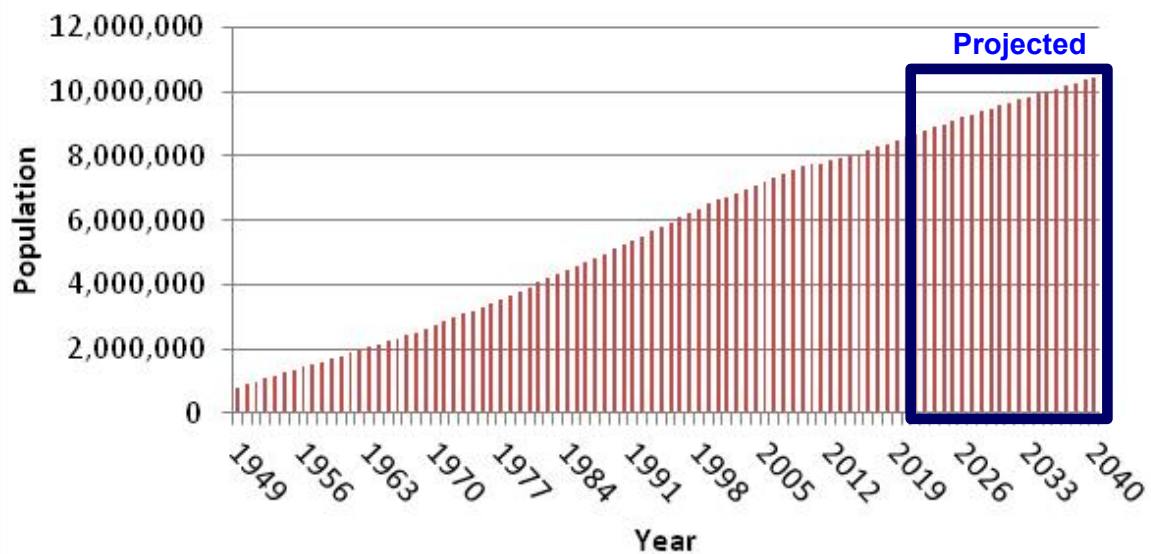
- Water from our homes & businesses that is treated by your local utility and used again
- Why dispose of it? Let's reuse it!
  - ❖ Irrigation
  - ❖ Industrial use
  - ❖ Groundwater recharge
  - ❖ Environmental enhancement





# DISTRICTWIDE POPULATION GROWTH AND DEMANDS

SFWMD Population



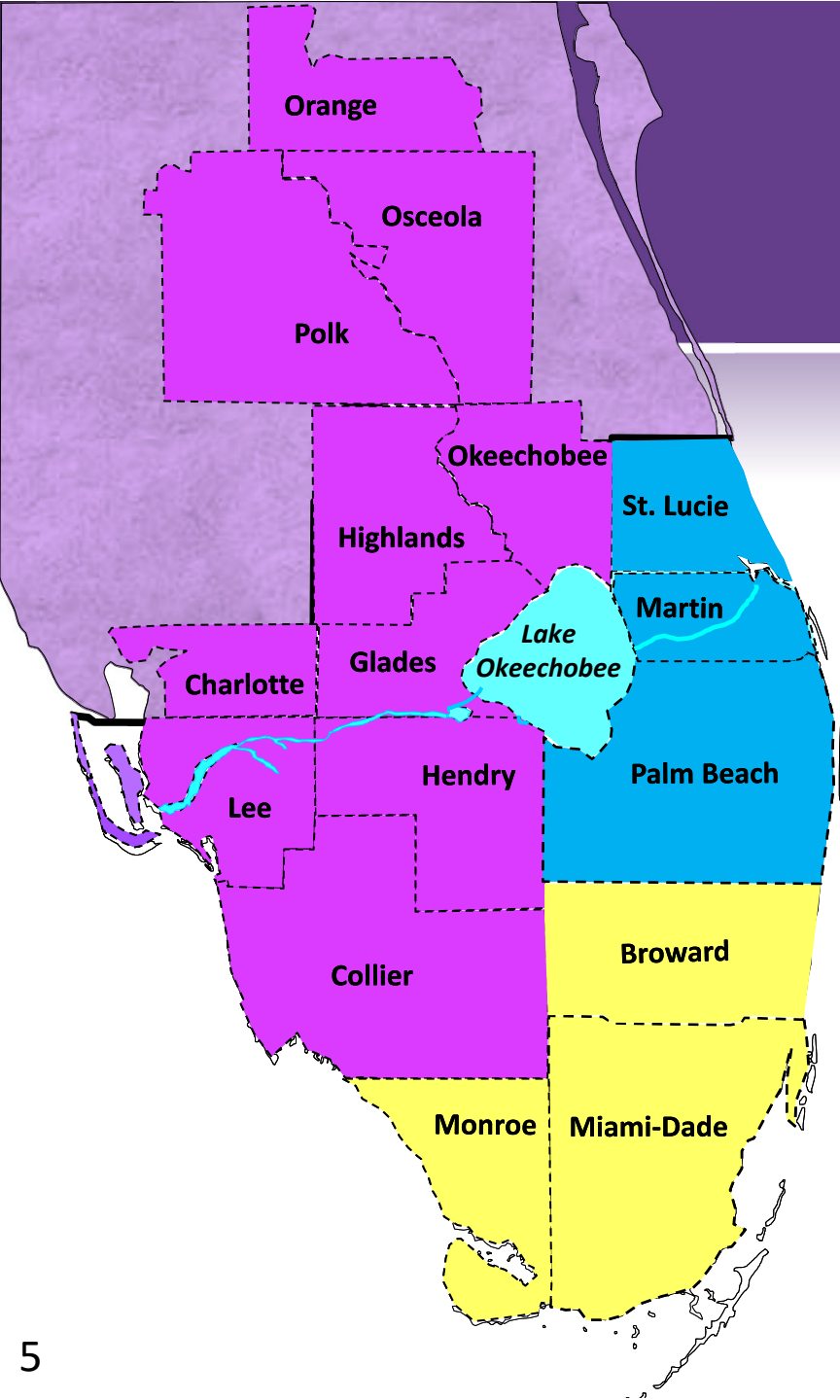


# RECLAIMED WATER & IRRIGATION



- About two-thirds of reclaimed water produced by utilities in the District is used for irrigation
- Reclaimed water can reduce stress on traditional sources of water used for irrigation
- It's a challenge for utilities to balance reclaimed water supplies with irrigation demands

# REUSE BY REGION



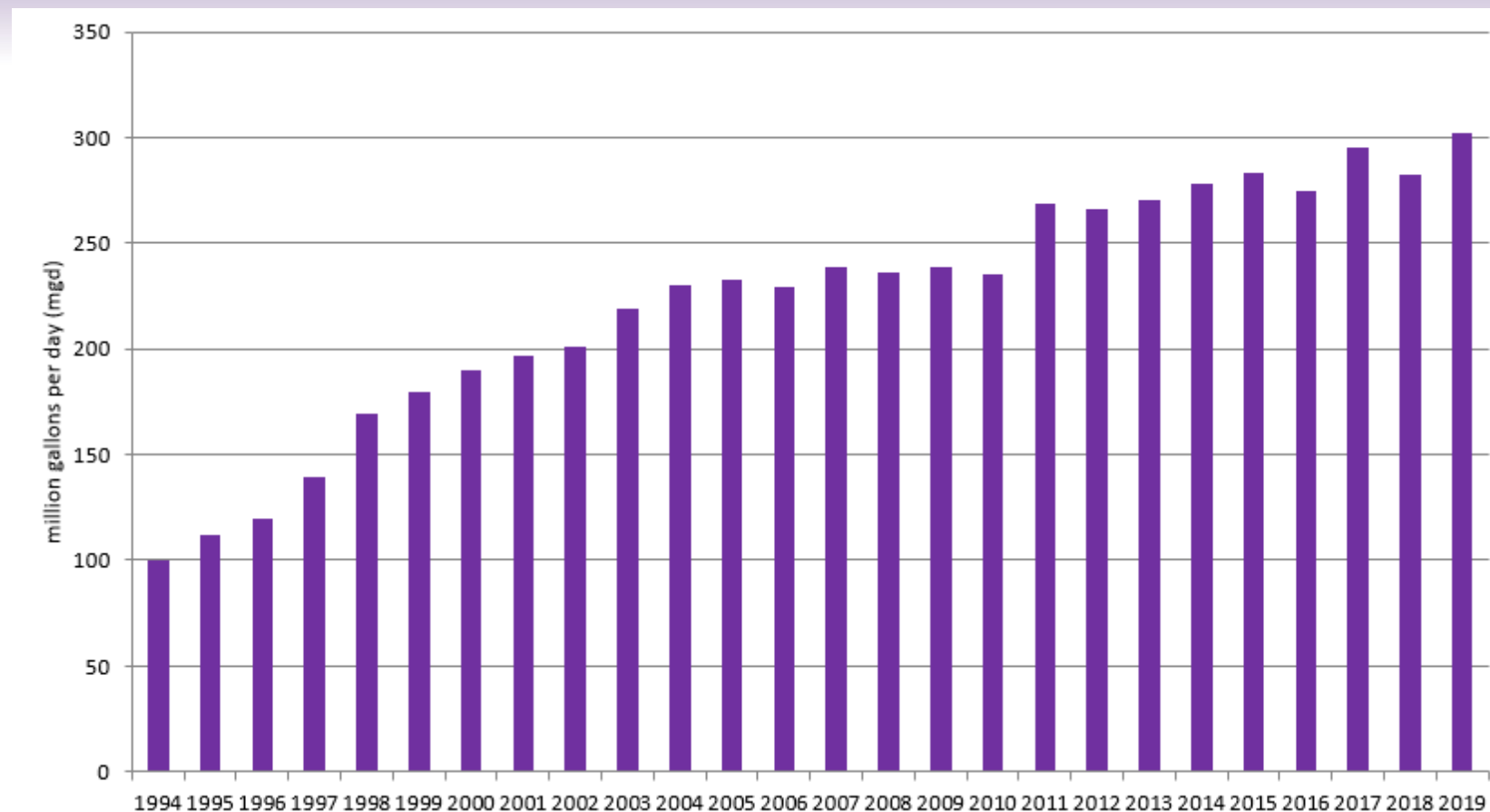
- Close to 100% reused
- Newer development, increased efficiency
- 25%-50% reuse
- Transitional, regionalization
- 4%-8% reuse
- Older, urban, coastal wastewater systems
- Ocean outfall legislation



# REUSE HISTORY IN THE SFWMD

**2019**

- ❖ 302 mgd reused
- ❖ ~600 mgd disposed
  - Deep well injection
  - Ocean discharge





# SFWMD INVESTMENT IN WATER REUSE

Water Reuse Week  
May 16-22, 2021

➤ FY97 – Present:

- ❖ 274 water reuse projects co-funded
- ❖ 155 mgd of additional reuse capacity
- ❖ \$114 million in approved funding, supporting \$699 million in construction



# CAPE CORAL-FORT MYERS RECLAIMED WATER INTERCONNECT



- Fort Myers to send reclaimed water under the Caloosahatchee River to Cape Coral
- Allows Fort Myers to reduce or eliminate discharges to the river while providing irrigation water to Cape Coral
- Reclaimed water flowing by January 2023
- \$3M State grant for construction approved by Governing Board in Fiscal Year 2020

# BROWARD-PALM BEACH COUNTY COOPERATION

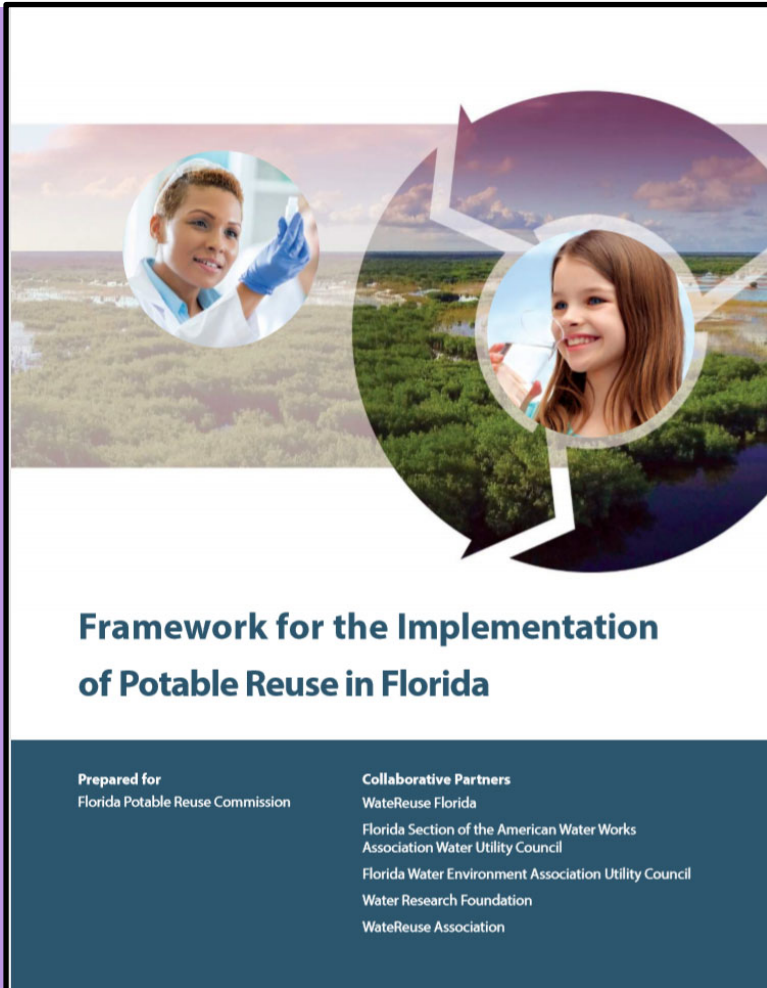


- Unmet irrigation demand for reclaimed water in southern Palm Beach County
- Broward County has the reclaimed water to supply the demand
- Ocean outfall legislation requirement
- \$3M State grant for pipeline construction approved by Governing Board in Fiscal Year 2020

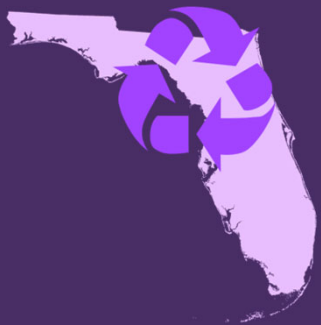




# FLORIDA POTABLE REUSE COMMISSION



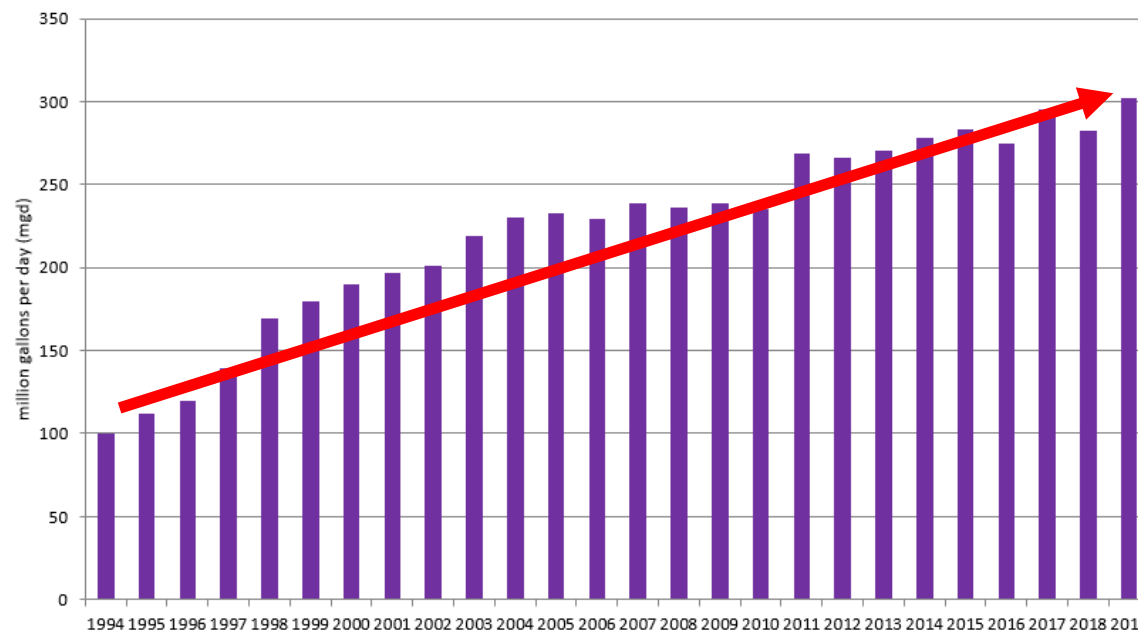
- Potable Reuse Commission (PRC) established in February 2018 is a consensus-based body of stakeholders
- 11-member partnership: utilities, environment, agriculture, Department of Health, public health/medical state university, industry
- Water management districts and FDEP are ex-officio members
- Developed a policy and regulatory framework for the implementation of potable reuse as a water supply alternative to meet Florida's future water needs
- Framework completed in January 2020
- FDEP initiated rulemaking on potable reuse in January 2021



# WATER REUSE – LOOKING AHEAD

Water Reuse Week  
May 16-22, 2021

- Increasing water reuse = less stress on traditional water sources
- Increasing water reuse = less disposal
- The District and FDEP will continue to promote and encourage water reuse






# GOVERNING BOARD RESOLUTION

**Water Reuse Week  
May 16-22, 2021**

**A Resolution of the Governing Board of the South Florida Water Management District proclaiming **May 16-22, 2021** as **Water Reuse Week** in Florida; providing an effective date.**



*Use it Again, South Florida!*



# PASSING OF THE POWER OF PURPLE

Water Reuse Week  
May 16-22, 2021

