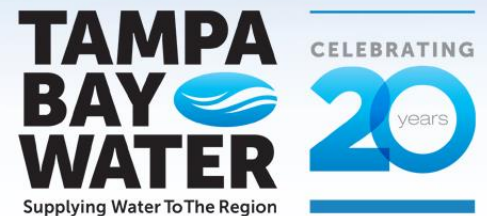


# Reliable, Diverse Water Supplies for Today and Tomorrow

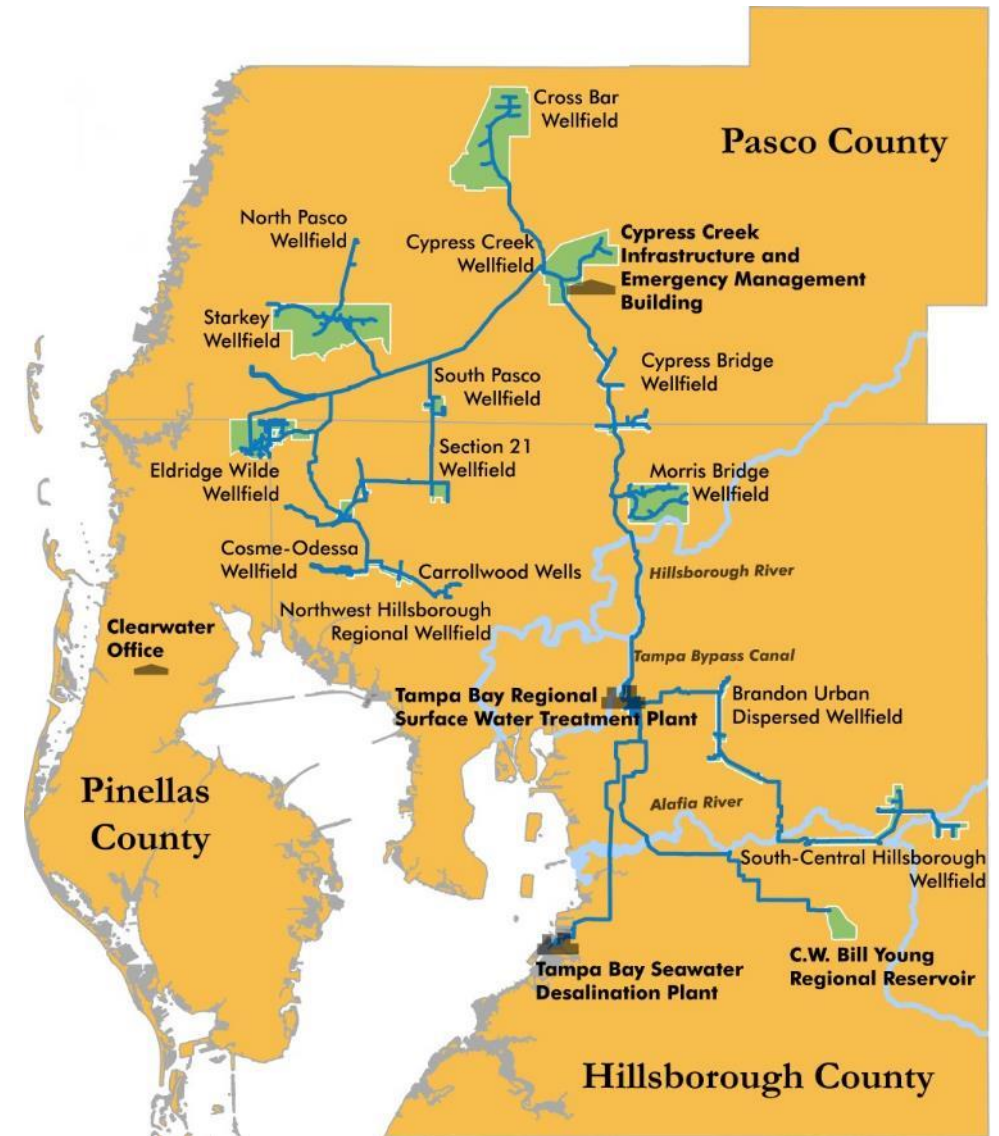
Pinellas County Board of County  
Commissioners Workshop

January 15, 2019



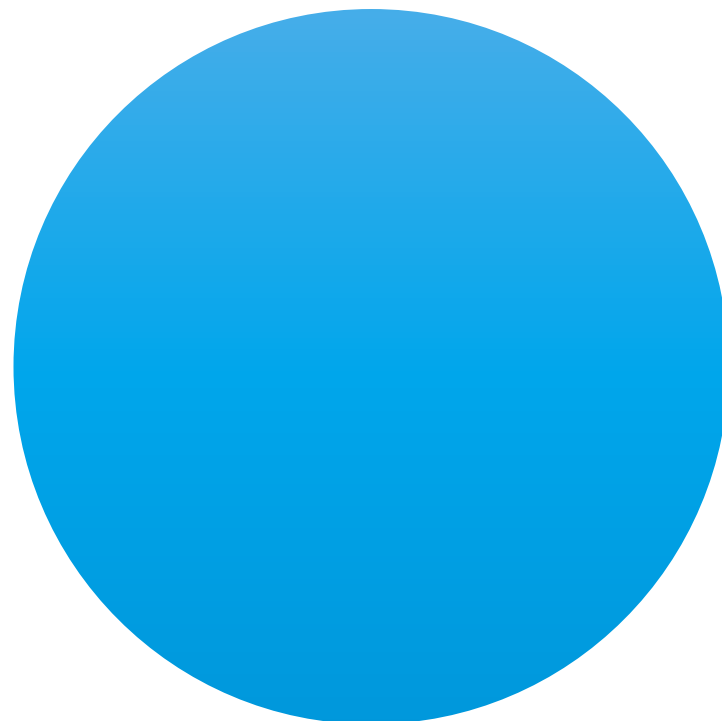
# The Regional Water Supply System

An integrated, flexible system that produces a sustainable and reliable water supply



# Sources of Supply

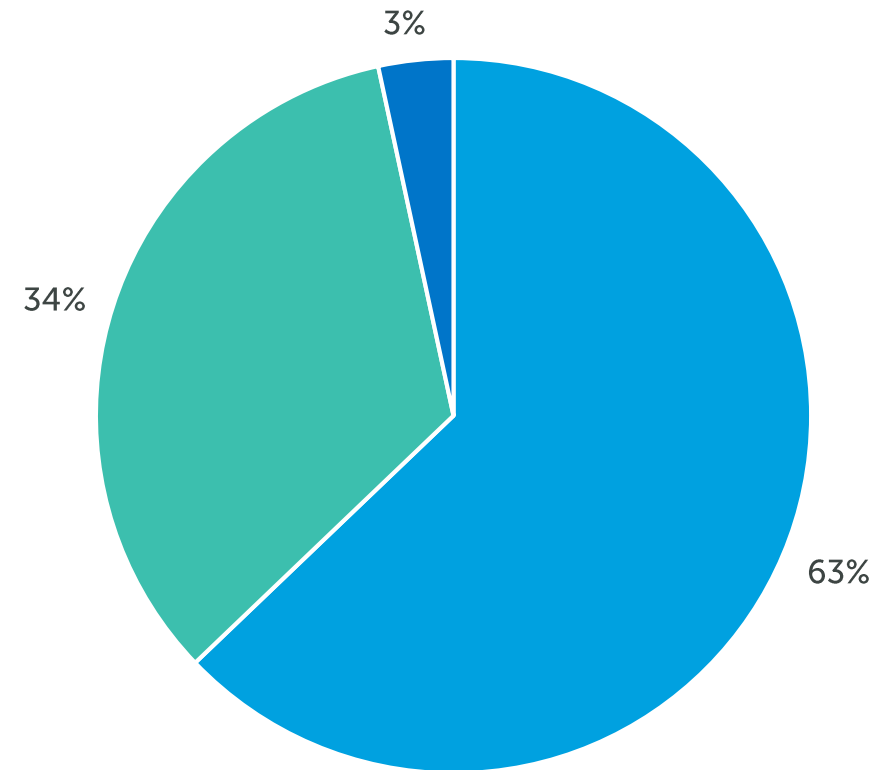
Source Distribution 1998



100%

■ Groundwater

Source Distribution 2018



3%

34%

63%

■ Groundwater ■ Surface Water ■ Desalination

# Long-term Master Water Plan Update

# Long-term Master Water Plan

- Required by Interlocal Agreement
- Provides a 20-year outlook
- Latest update approved December 2018
- Includes:
  - Demand forecasting
  - Optimizing existing system
  - Demand management
  - Regulatory requirements
  - Water quality
  - Potential new water supply projects





# Board-approved, Decision-making Criteria

## Environmental Stewardship

- Ease of Permitting
- Environmental Sustainability Index
- Public Reception

## Project Costs

- Life Cycle Cost
- Ability to Phase
- Cost Risk Factors

## Reliability

- Source Water Supply Resiliency
- Vulnerability Index
- Regional System Operational Impacts
- Contractual Requirements

# Shortlisted Projects for Additional Study

## Three Main Water Supply Projects

New Groundwater Water  
Treatment Plant with  
South-Hillsborough  
Aquifer Recharge Project  
credits

Surface Water Treatment  
Plant Expansion with  
existing source water

Desalination Facility  
Expansion with existing  
source water

## South-Hillsborough County Project

Proceed with SHARP and Pipeline in parallel through February 2020

# Next Steps

## December 2018

Tampa Bay Water  
Board approved  
Long-term Plan  
Update

## 2018-2020

Additional feasibility  
studies on proposed  
projects and South-  
Hillsborough County  
solution

## February 2020

Decision on South-  
Hillsborough County  
solution - decision  
will affect date of  
need for new supply



# Tampa Augmentation Project

# Tampa Augmentation Project Cont.

- Potential effects on Tampa Bay Water Master Water Plan
  - Could reduce regional demand
  - Could delay need for new regional water facilities
- Feasibility studies, pilot-testing and permitting must be completed to determine actual yield and benefits

# Tampa Augmentation Project Background and Timeline

- October 2017 – Board convenes Member Government Reclaimed Committee
- July/August 2018 – Reclaimed Committee concludes TAP may have some regional benefits; agrees legal counsel should explore Agreement
- September 2018 – Tampa Augmentation Project Agreement and Memorandum of Understanding brought to Executive Committee
- October 2018 – Agreement and Memorandum of Understanding brought to Board for discussion and consideration – tabled and left pending
- December 2018 – Board Workshop

# Agreement and Memorandum Understanding

Discussion points from Board workshop:

1. Guaranteed water to Tampa Bay Water
2. Sale of water
3. Sale of nutrient credits
4. Debt service
5. Co-funding
6. Opt-out provisions

# Next Steps

- Legal Counsel Discussions
- January 28 Tampa Bay Water Executive Committee Meeting – Board discussion of policy issues
- February 18, 2019 – Tampa Bay Water Board Meeting





Questions

