

# Building on 25 Years of Innovative Water Supply Solutions

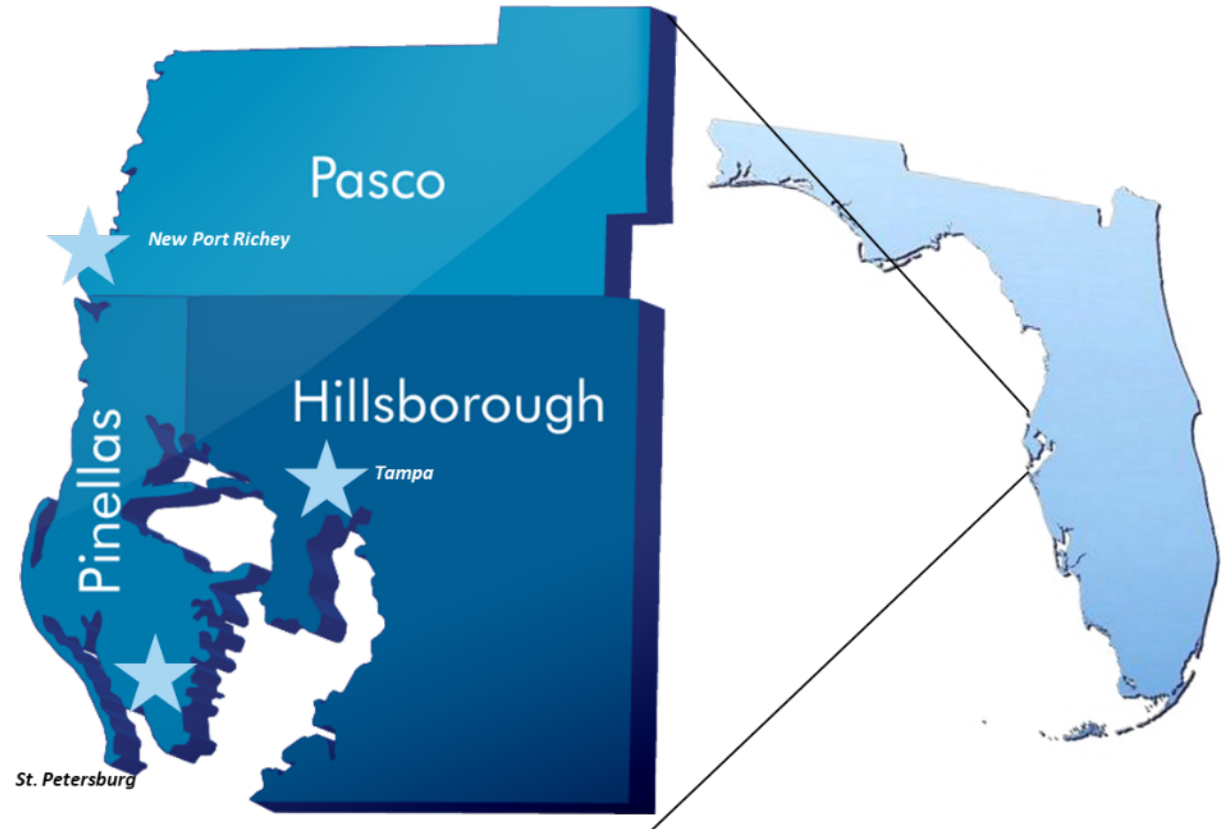
Telephone Town Hall Meeting

September 14, 2023



# The Region's Drinking Water Supplier

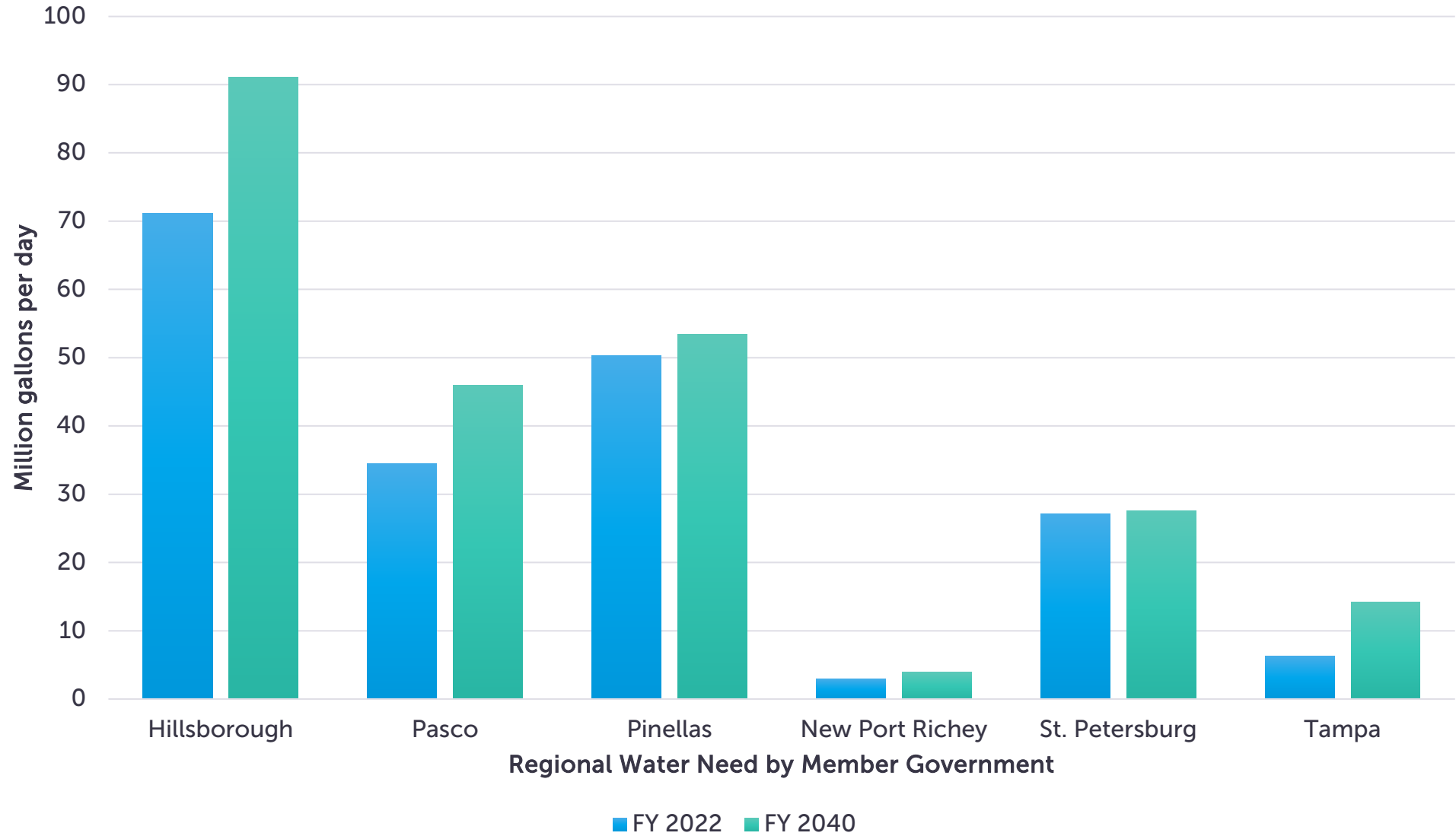
- 6 local governments
- 2.5 million end customers
- 11 water treatment plants
  - 1 seawater desalination
  - 1 river water
  - 9 groundwater
- 12 wellfields
- 14 pump stations
- 15.5-billion-gallon reservoir
- Miles of large diameter pipe







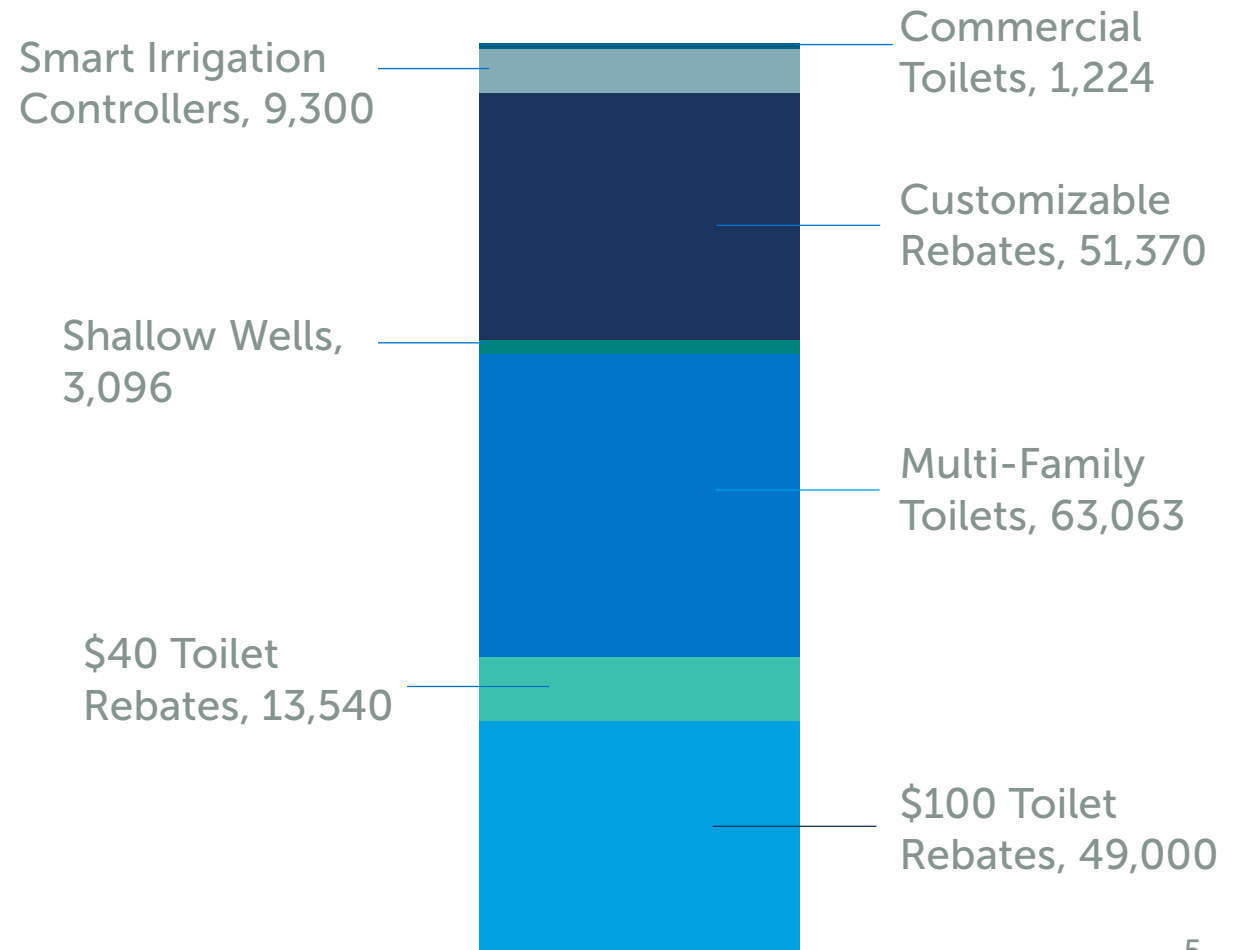
# Demand by Member Government 2022 vs 2040



# Tampa Bay Water Wise Savings

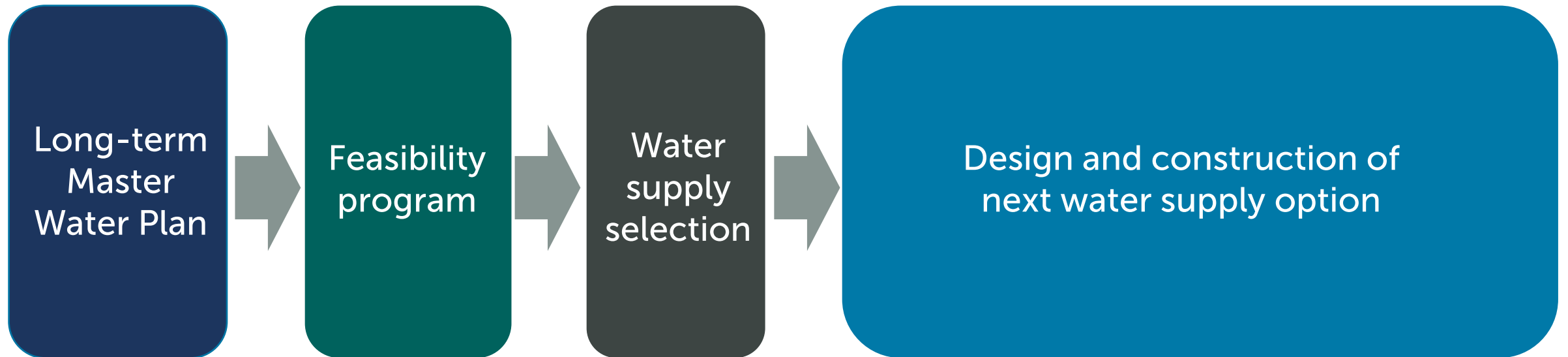
- Part of the Long-term Master Water Plan
- Incentive-based rebate program
- Save up to 4 million gallons per day by 2030
- Save water, save money!

190,593 gallons per day





# Water Supply Expansion Process



# Short-list Screening Evaluation Criteria

## Environmental Stewardship



- Environmental Sustainability
- Ease of Permitting
- Public Reception

## Cost



- Life Cycle Cost
- Expansion Potential
- Cost Risk Factors + Implementation Schedule

## Reliability

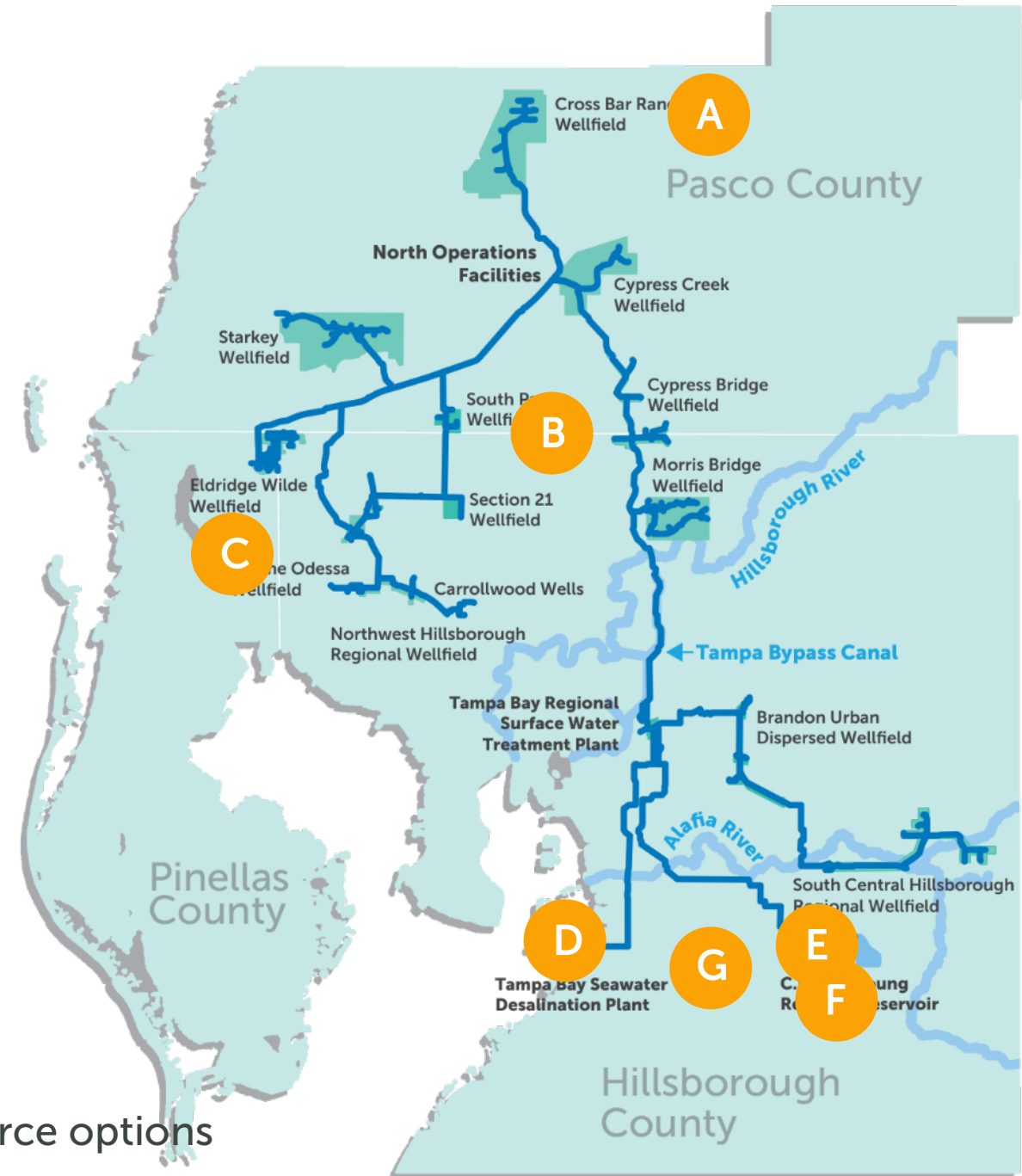


- Yield Reliability
- Regional System Reliability Impacts

# Short List Concepts

- A. Eastern Pasco Wellfield\*
- B. Consolidated WUP Increase
- C. North Pinellas Surface WTP & Reservoir
- D. Desalination Plant Expansion\*
- E. Surface WTP at C.W. Bill Young Regional Reservoir via Alafia withdrawals
- F. South Hillsborough Surface WTP & Reservoir
- G. South Hillsborough Wellfield via Aquifer Recharge

\* Indicates multiple types of water source options





# Groundwater Concepts

- Eastern Pasco Wellfield
- Increasing CWUP
- South Hillsborough Wellfield via Aquifer Recharge



Questions on groundwater concepts?

# Surface Water Concepts

- North Pinellas Surface Water Treatment Plant & Reservoir
- Surface Water Treatment Plant at C.W. Bill Young Regional Reservoir
- South Hillsborough Surface Water Treatment Plant & Reservoir

Questions on surface water concepts?




# Desalination Concepts

- Desalination Plant Expansion
  - Brackish or seawater

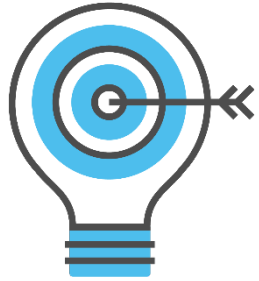


Questions on desalination concepts?

**Poll: Do you have any preferences among the proposed water source?**

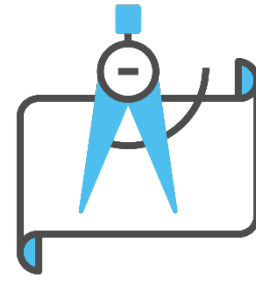
- 1 – Fresh groundwater**
  - 2 – Brackish groundwater**
  - 3 – Surface water**
  - 4 – Seawater**
- 

# Feasibility Studies



## Goals:

- Determine overall feasibility
- Refine yield
  - Normal Conditions
  - Sustainable
- Refine Costs
- Collaborate with residents



## Tasks:

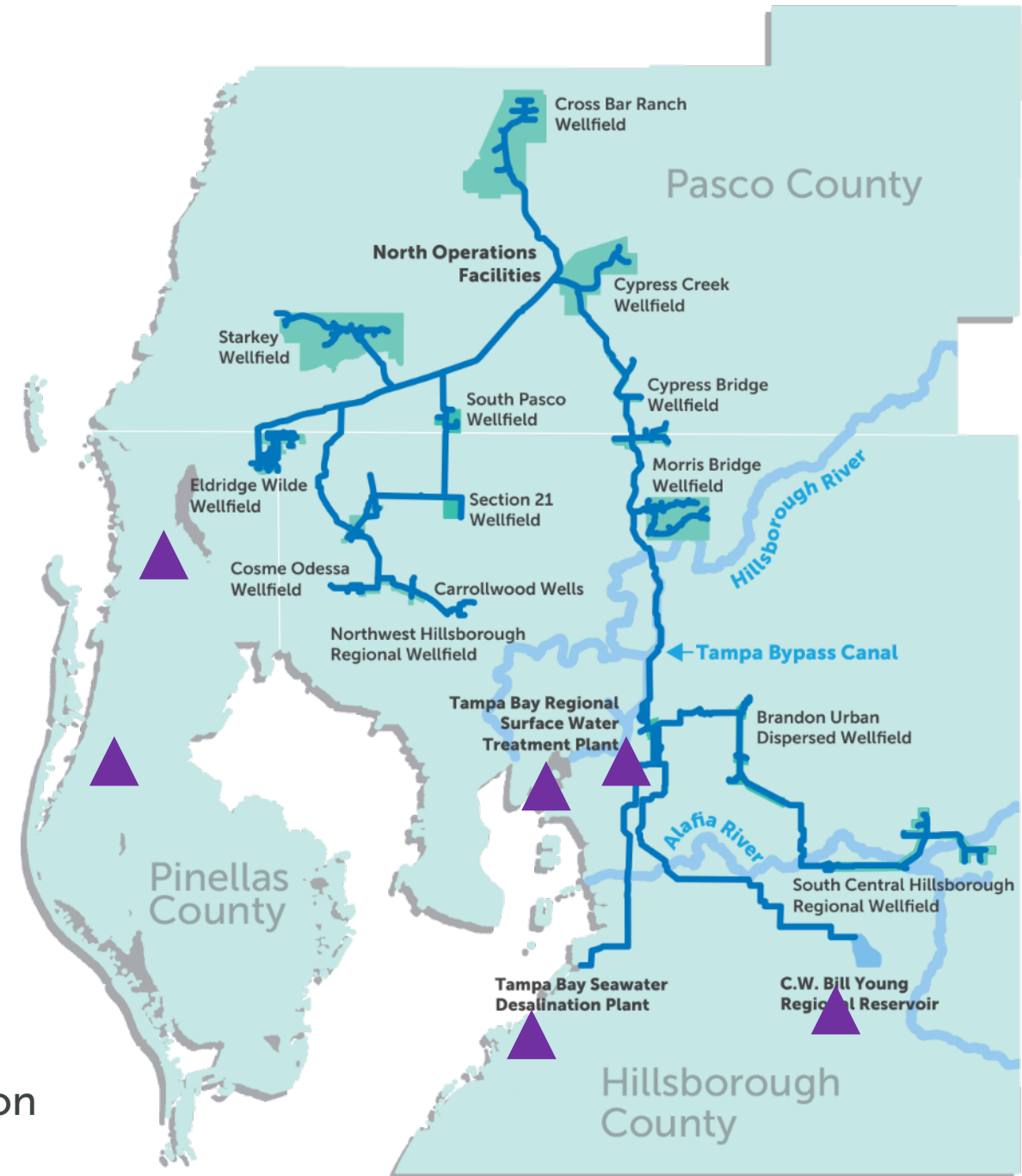
- Hydrologic, hydraulic and hydrogeologic modeling
- Test wells
- Water quality sampling
- Pilot testing
- Environmental assessments
- Public engagement



# Master Water Plan Developmental Alternatives

- Direct Potable Reuse
- Indirect Potable Reuse

▲ Member Government Water Reclamation Facilities with excess reclaimed water



Questions on developmental  
alternatives?

**Poll: Would you drink reclaimed water that has been treated to drinking water standards?**

**1 – Yes**

**2 – Yes, but only if there were no other options**

**3- Unsure, need more information**

**4 – No**

The bottom of the slide features decorative wavy lines in shades of blue and green, creating a water-like effect.

# Next Steps

- **Nov. 13:** Board to consider approval of Long-term Master Water Plan update
  - Watch live at [TampaBayWater.org](https://TampaBayWater.org)
  - Sign up to speak before the board meeting at [TampaBayWater.org/board-meetings](https://TampaBayWater.org/board-meetings)





**Visit [FutureWater.org](http://FutureWater.org)**

**Thank you for participating.**