

# Expanding Treatment & Distribution to Meet Region's Water Needs for the Next 10 Years

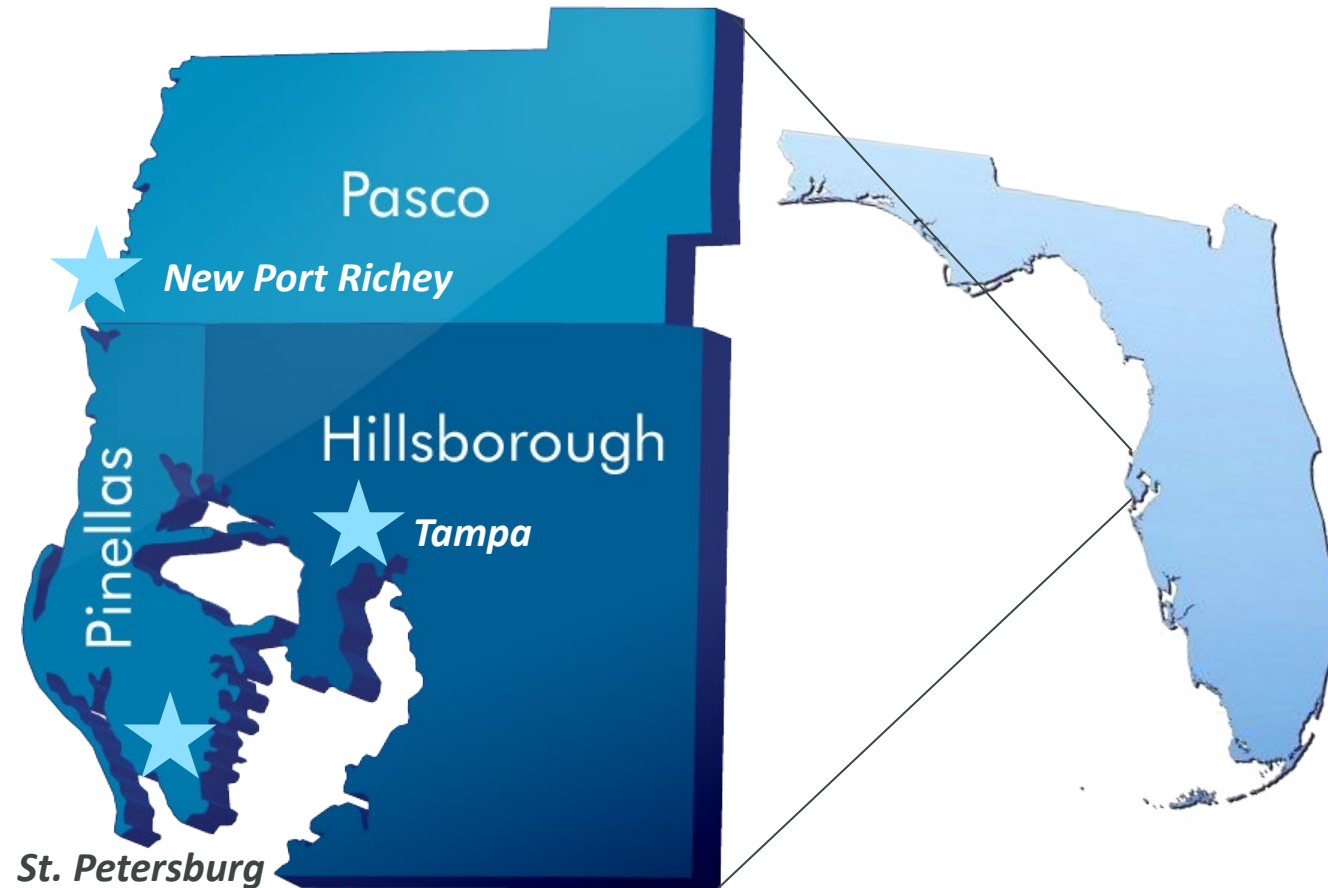
Michelle Stom, Chief of Staff/Chief Strategy Officer

Maribel Medina, Engineering Senior Manager

Justin Fox, Engineering Manager



# A Regional Drinking Water Utility

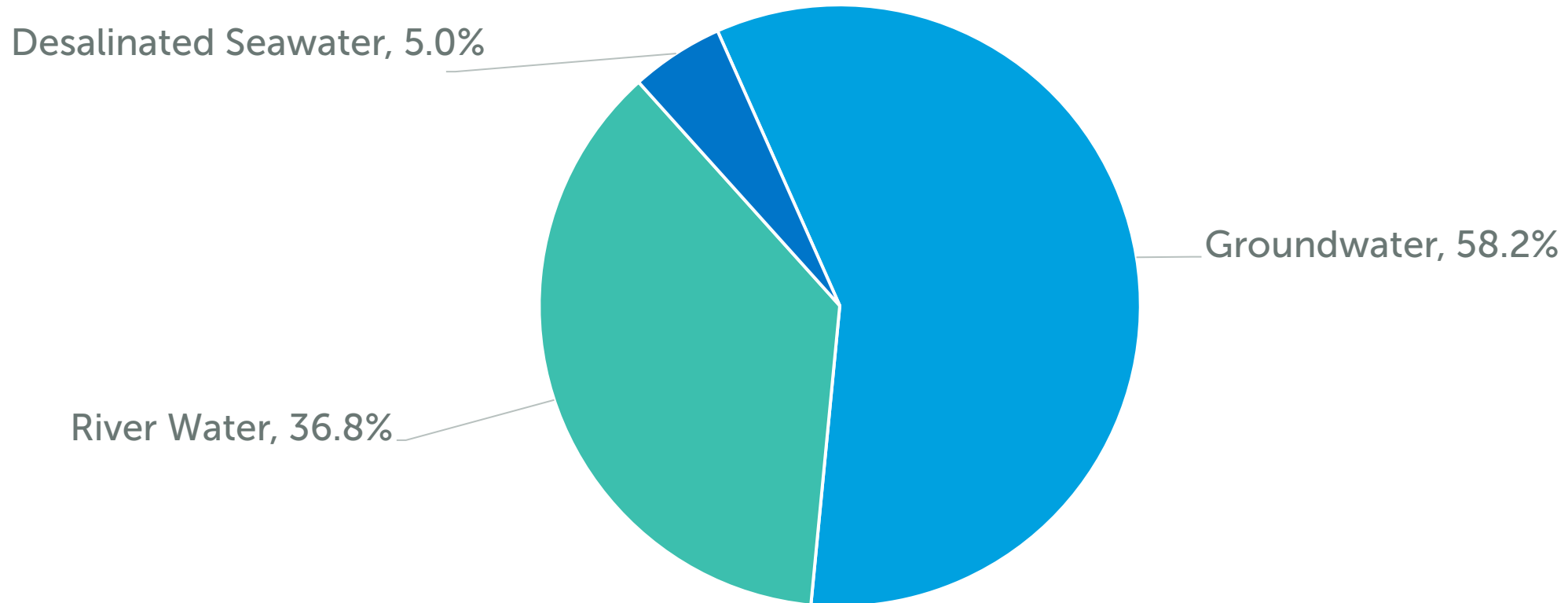


# Keeping Pace with Regional Growth

- Interconnected network of sources
  - Groundwater
  - River Water
  - Seawater

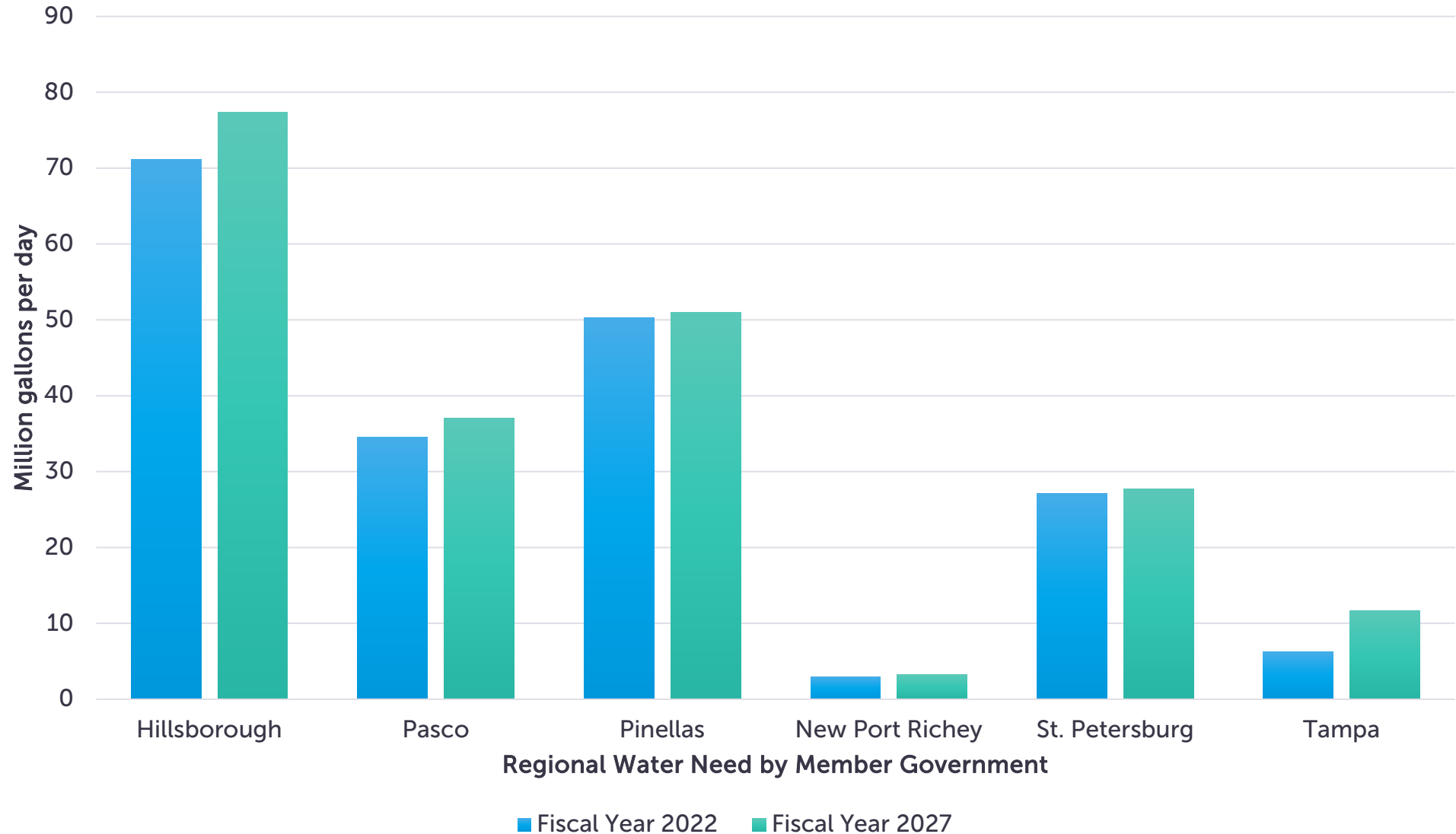


# Current Water Supply Sources – Through June 30



190 million gallons per day average

# Demand by Member Government 2022 vs 2027





# Evaluating New Water Supply Options

- Expanded surface water treatment capacity
- Expanded seawater desalination capacity





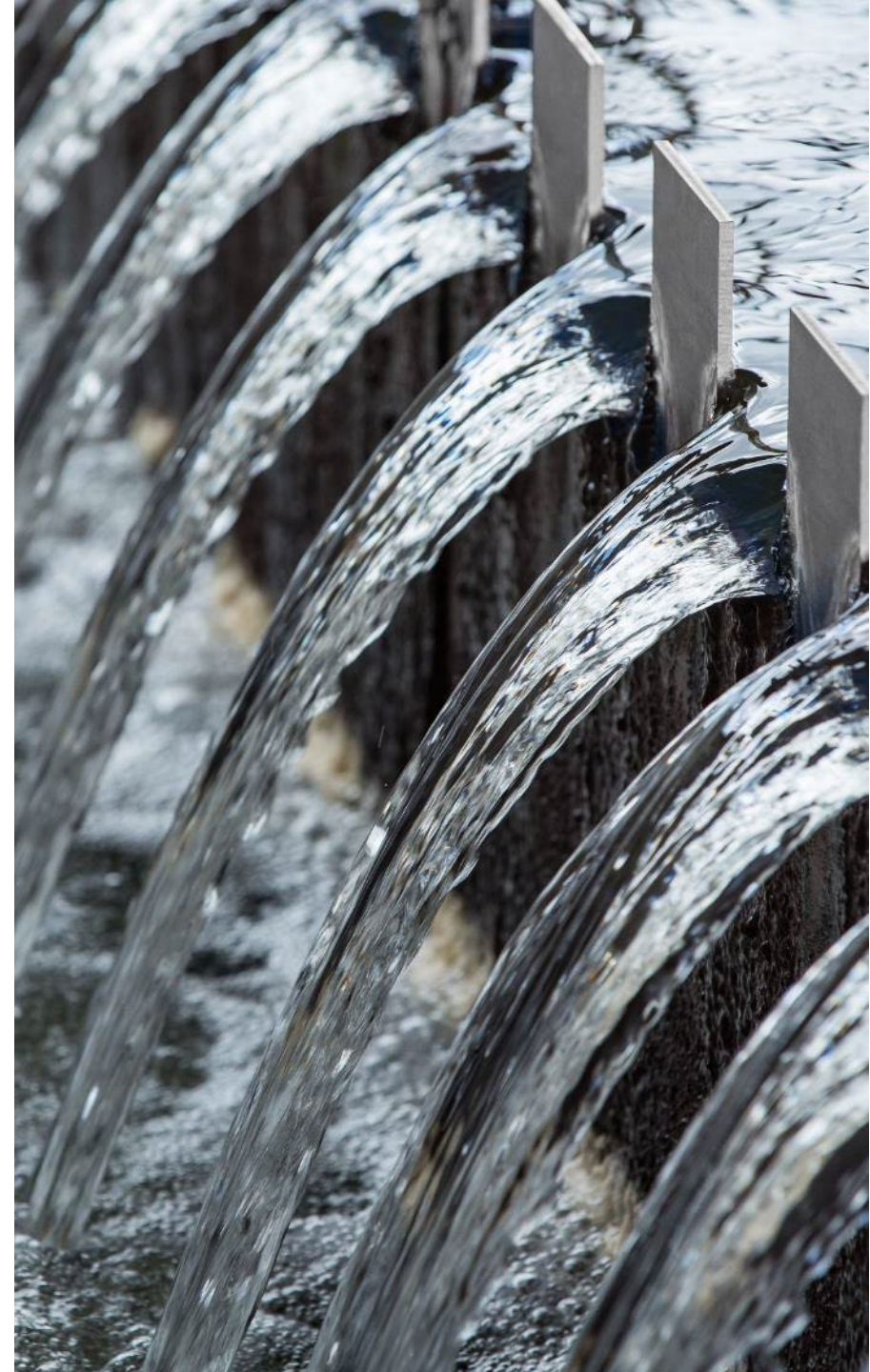
# Surface Water Treatment Expansion

Existing Plant Expansion or New Plant Near Reservoir

Supply = up to 10 million gallons per day

Capital Cost = \$90,690,000 to \$145,600,000

Per 1,000 gallons = \$1.44 - \$2.31





# Seawater Desalination Plant Expansion

Existing Plant Expansion and Optimization

Supply = 10.4 million gallons per day

Capital Cost = \$310,000,000 to \$365,000,000

Per 1,000 gallons = \$8.56






# Configuration Evaluation Criteria

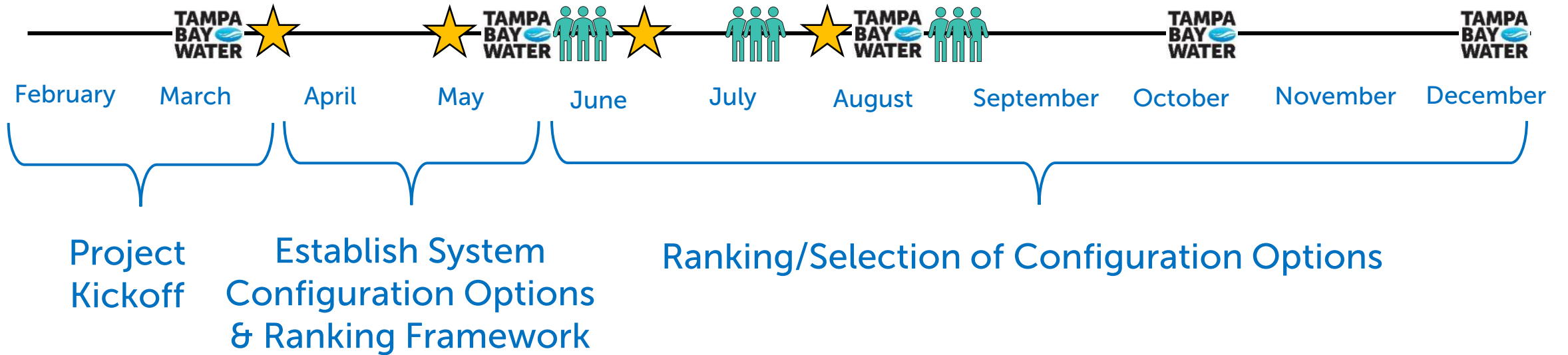


# 2022 Schedule

**TAMPA  
BAY  
WATER** Tampa Bay Water Board  
Workshops/Presentations

★ Workshops with  
Member Governments

 Public  
Engagement



**Poll: Which new water supply option do you prefer?**

- 1 – expand existing surface water treatment plant**
- 2 – build a new surface water treatment plant**
- 3 – expand the existing desalination plant**
- 4 – no opinion or don't know**

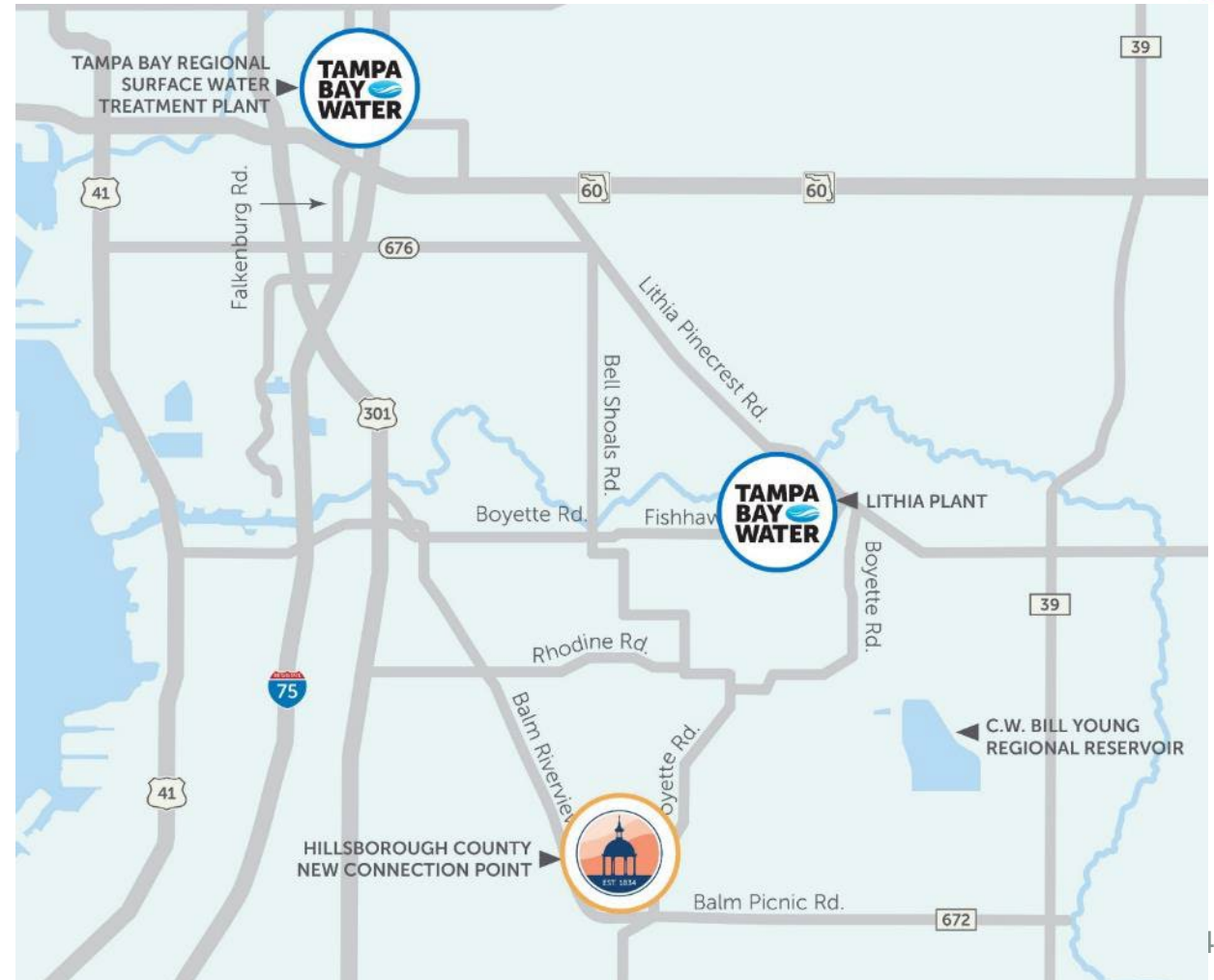


Questions on new supply projects?

# South Hillsborough Pipeline

# Connecting to High-growth Areas

- Length: approx. 25 miles
- Diameter: 36-72 inches
- Capacity: Up to 65 million gallons per day













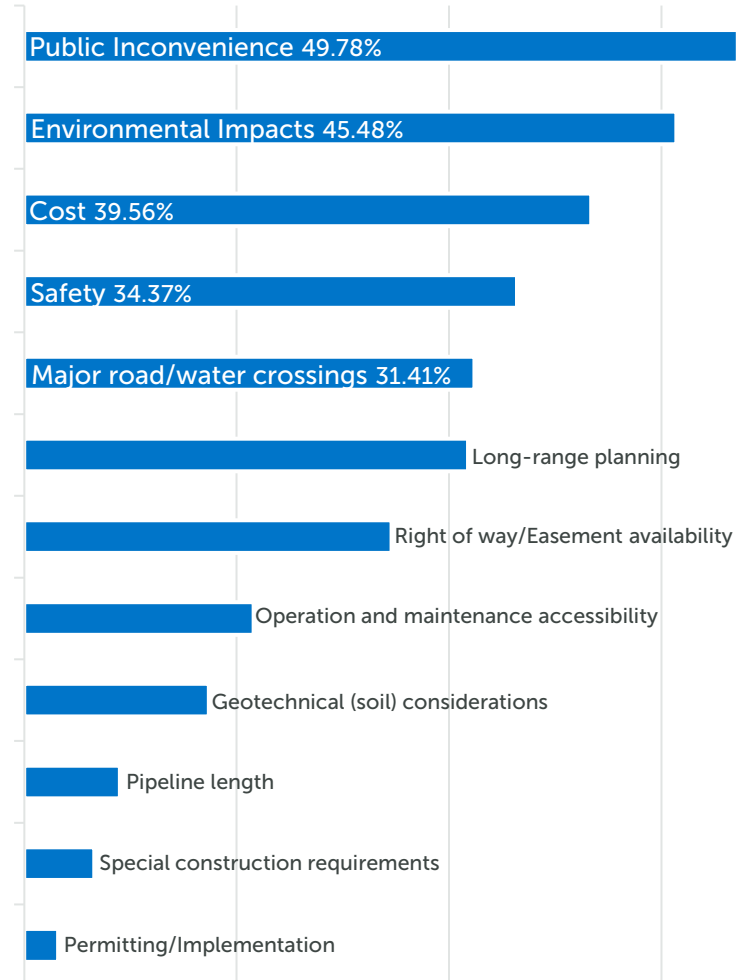


# Pipeline Evaluation Criteria

- Pipeline length
- Public inconvenience
- Safety – workers & public
- Environmental & historical impacts
- Cultural impacts
- Special crossings/  
construction considerations
- Permitting/implementation
- Operation & maintenance accessibility
- Right of way/easement availability
- Geotechnical considerations
- Long-range planning

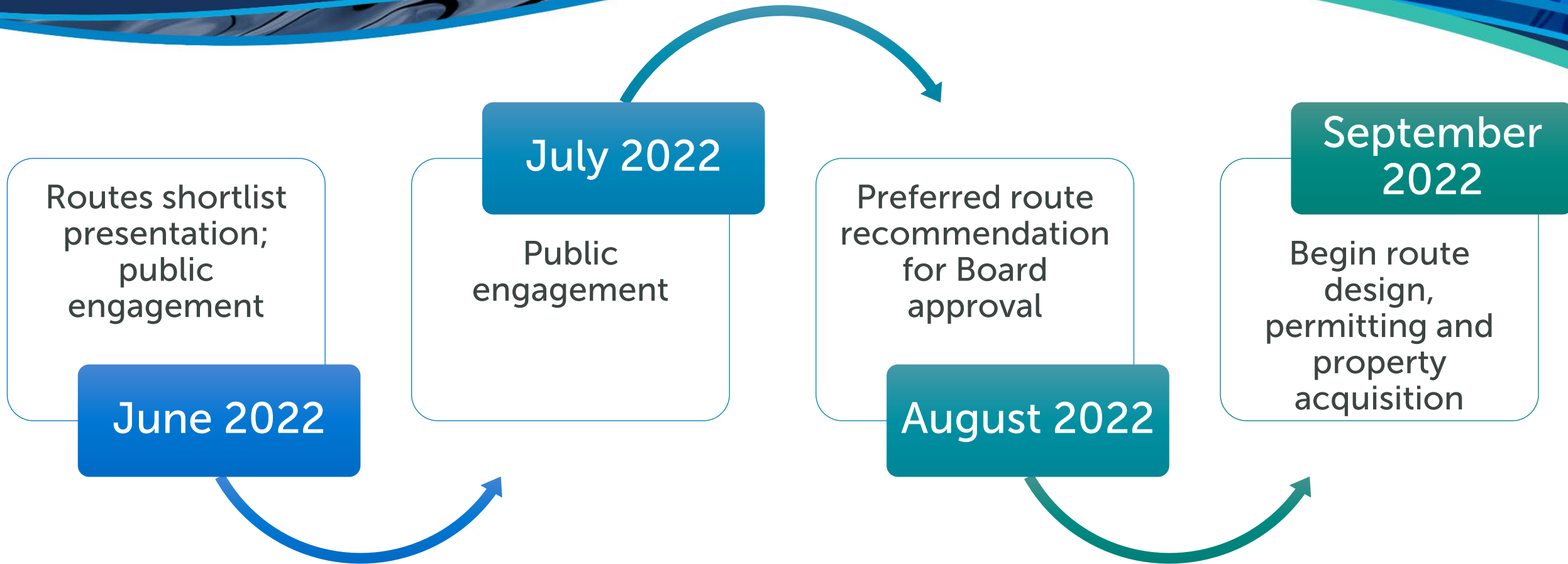
## Tampa Bay Water Public Opinion Survey 2019

- Public input for non-cost evaluation criteria and weighting factors
- Public input regarding the new pipeline siting process
- Public input to consider when evaluating pipeline routes
- Others





# South Hillsborough Pipeline – Next Steps



# Property Acquisition

- Permanent Easement
  - Easements are purchased at fair market value
  - Property owner retains ownership, but rights to the easement area are shared with Tampa Bay Water
  - Title to easement area transfers to new owner when the property is sold
  
- Eminent Domain
  - As a last resort, if negotiations are unsuccessful
  - Allows legal action to acquire private property for public use with just compensation

**Poll: How do you prefer to receive updates on road closures and detours?**

**1 – Twitter**

**2 – Facebook**

**3 – Nextdoor**

**4 – Map/navigation apps (Google Maps, Waze, etc)**

**5 – Television news**



Questions on pipeline?

# Provide Input and Stay Informed

- Recommended Master Water Plan project and recommended pipeline route will be posted to web page in August
  - [www.tampabaywater.org](http://www.tampabaywater.org)
  - [www.tampabaywater.org/future-drinking-water-sources](http://www.tampabaywater.org/future-drinking-water-sources)
  - [www.tampabaywater.org/SHP](http://www.tampabaywater.org/SHP)
  - Selection: Aug. 15, 2022, Board Meeting – 9:30 a.m.