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

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Keeping Pace with Regional Growth

- Interconnected network of sources
  - Groundwater
  - River Water
  - Seawater
Current Water Supply Sources – Through June 30

- Groundwater, 58.2%
- River Water, 36.8%
- Desalinated Seawater, 5.0%

190 million gallons per day average
Demand by Member Government 2022 vs 2027

Regional Water Need by Member Government

- Hillsborough: 70 Million gallons per day (2022), 70 Million gallons per day (2027)
- Pasco: 30 Million gallons per day (2022), 30 Million gallons per day (2027)
- Pinellas: 50 Million gallons per day (2022), 50 Million gallons per day (2027)
- New Port Richey: 5 Million gallons per day (2022), 5 Million gallons per day (2027)
- St. Petersburg: 25 Million gallons per day (2022), 25 Million gallons per day (2027)
- Tampa: 10 Million gallons per day (2022), 10 Million gallons per day (2027)

Fiscal Year 2022 vs Fiscal Year 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

- Cost
- Environmental Stewardship
- Reliability
Tampa Bay Water Board Workshops/Presentations

Workshops with Member Governments

Public Engagement

2022 Schedule

February: Project Kickoff
March: Establish System Configuration Options & Ranking Framework
April: Tampa Bay Water Board Workshops/Presentations
May: Tampa Bay Water Board Workshops/Presentations
June: Workshop with Member Governments
July: Ranking/Selection of Configuration Options
August: Tampa Bay Water Board Workshops/Presentations
September: Tampa Bay Water Board Workshops/Presentations
October: Tampa Bay Water Board Workshops/Presentations
November: Tampa Bay Water Board Workshops/Presentations
December: Tampa Bay Water Board Workshops/Presentations
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
Southern Hillsborough County Pipeline

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

June 2022
- Routes shortlist presentation; public engagement

July 2022
- Public engagement

August 2022
- Preferred route recommendation for Board approval

September 2022
- Begin route design, permitting and property acquisition
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.