

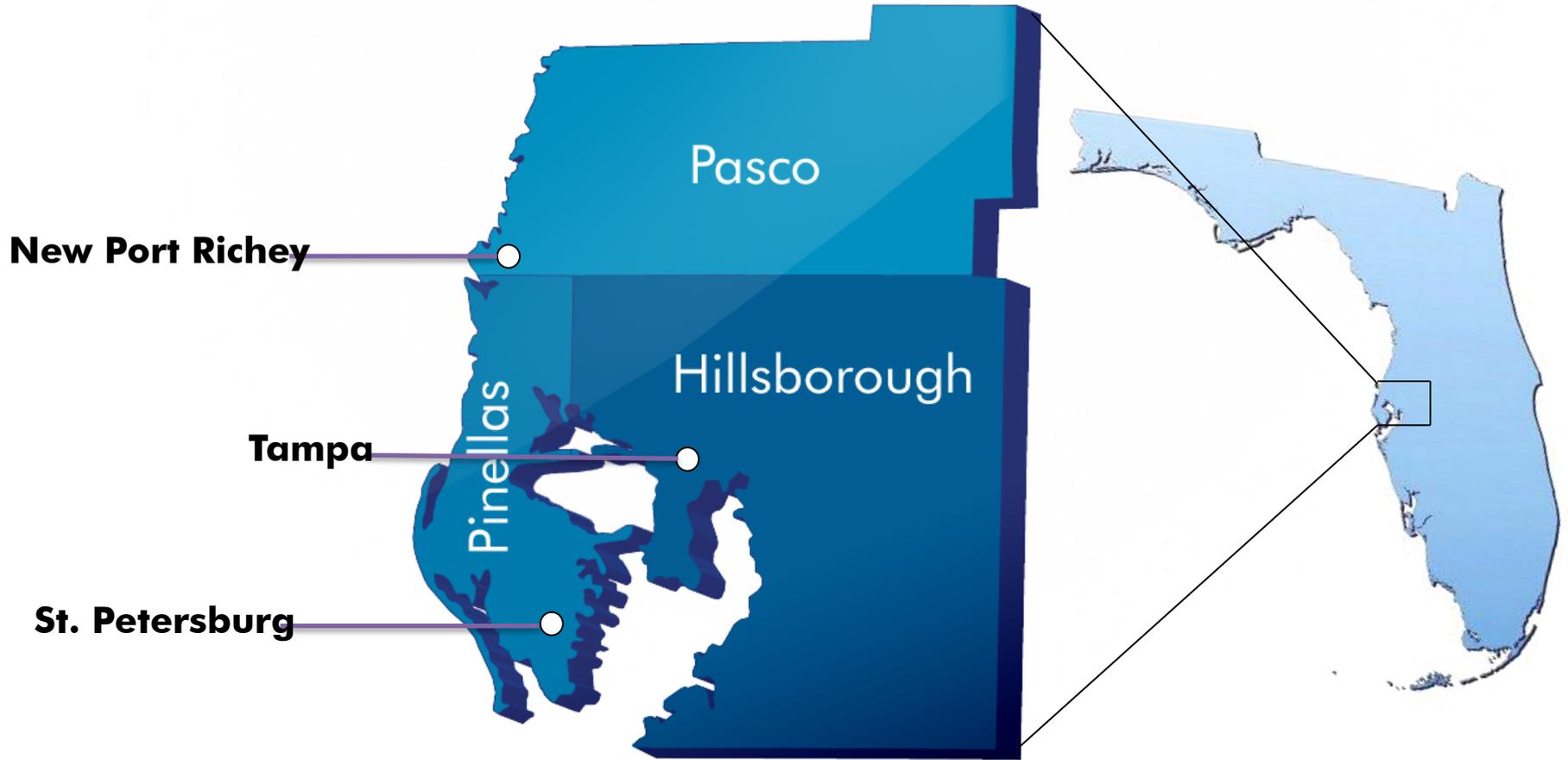


Supplying Water To The Region

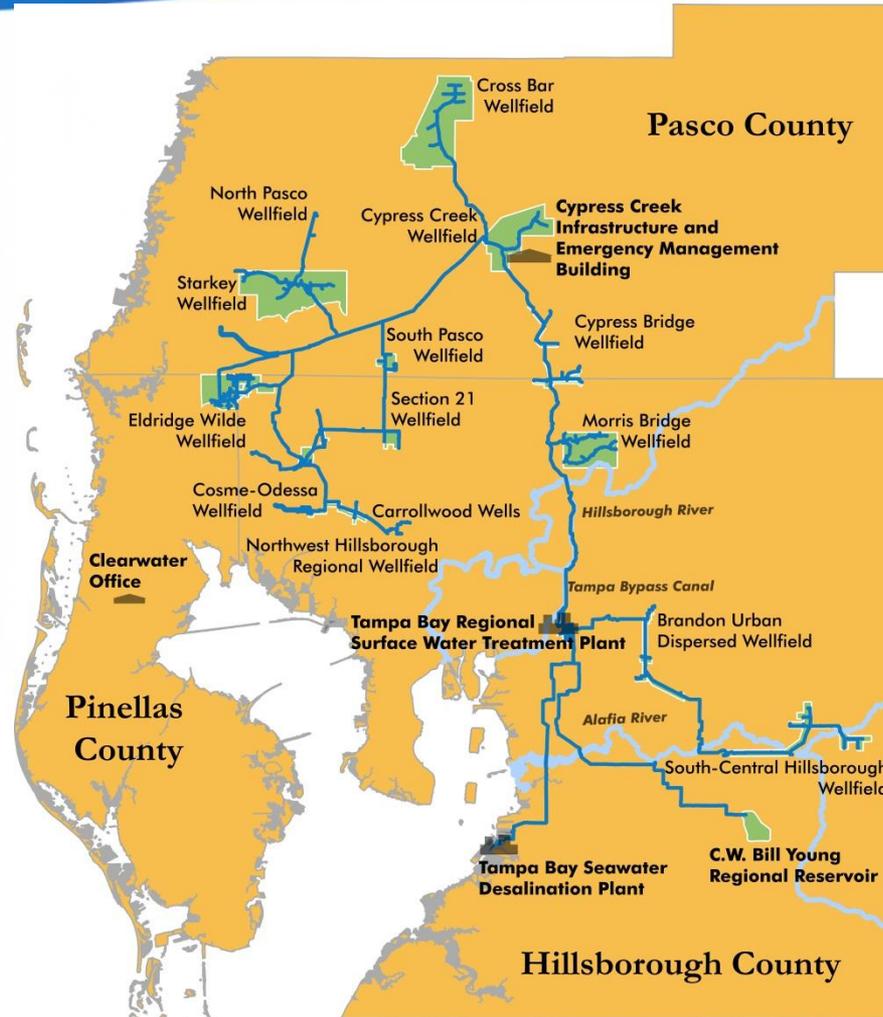
# **Tampa Bay Water Long-Term Master Water Plan Update**

**April 11, 2016**

# Who We Are



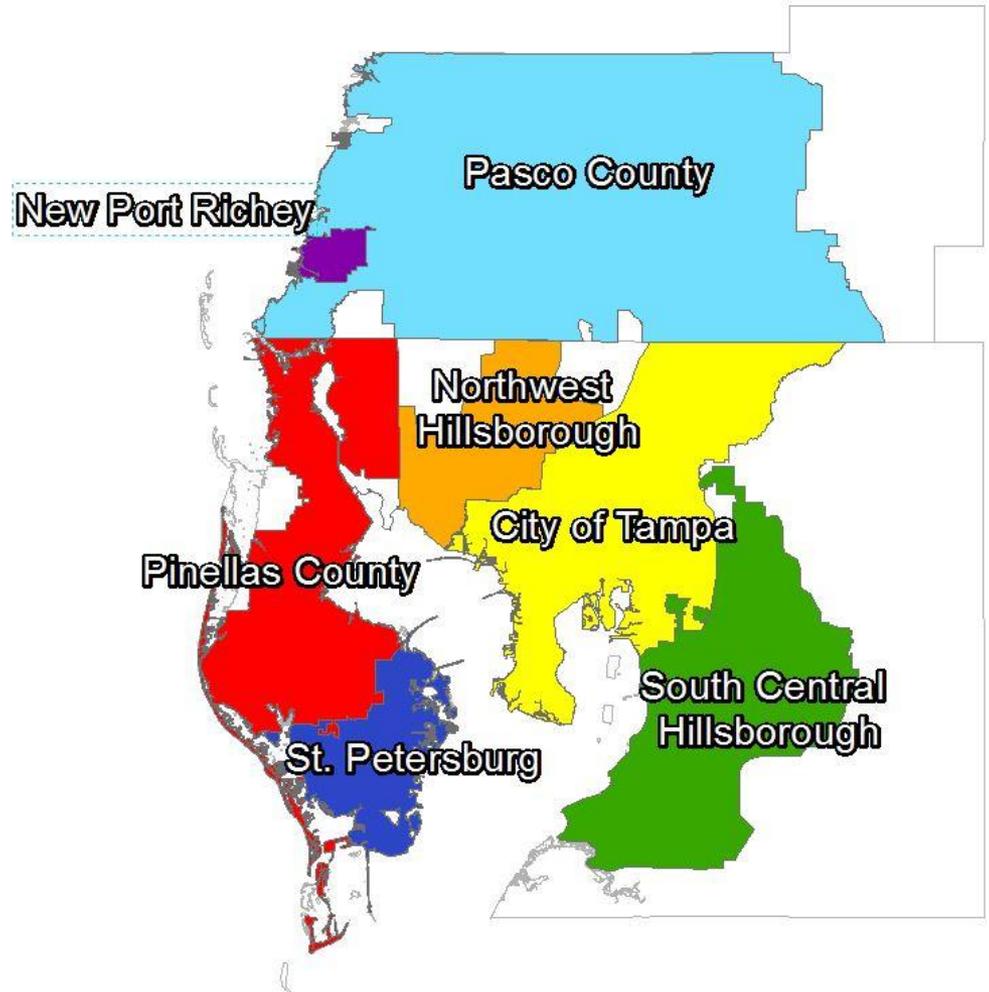
# Integrated Water Supply System



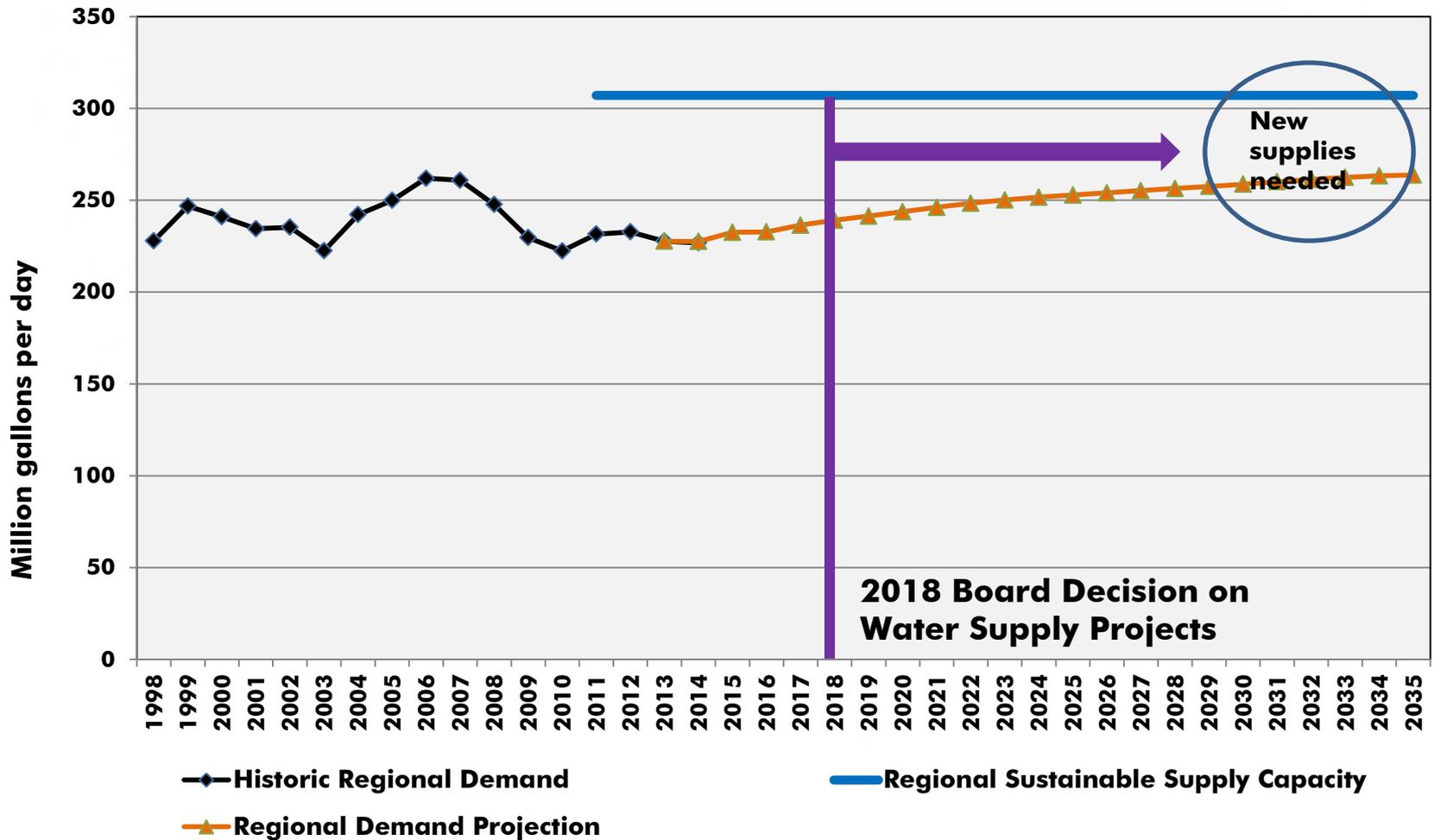


# Demands are projected by water demand planning area

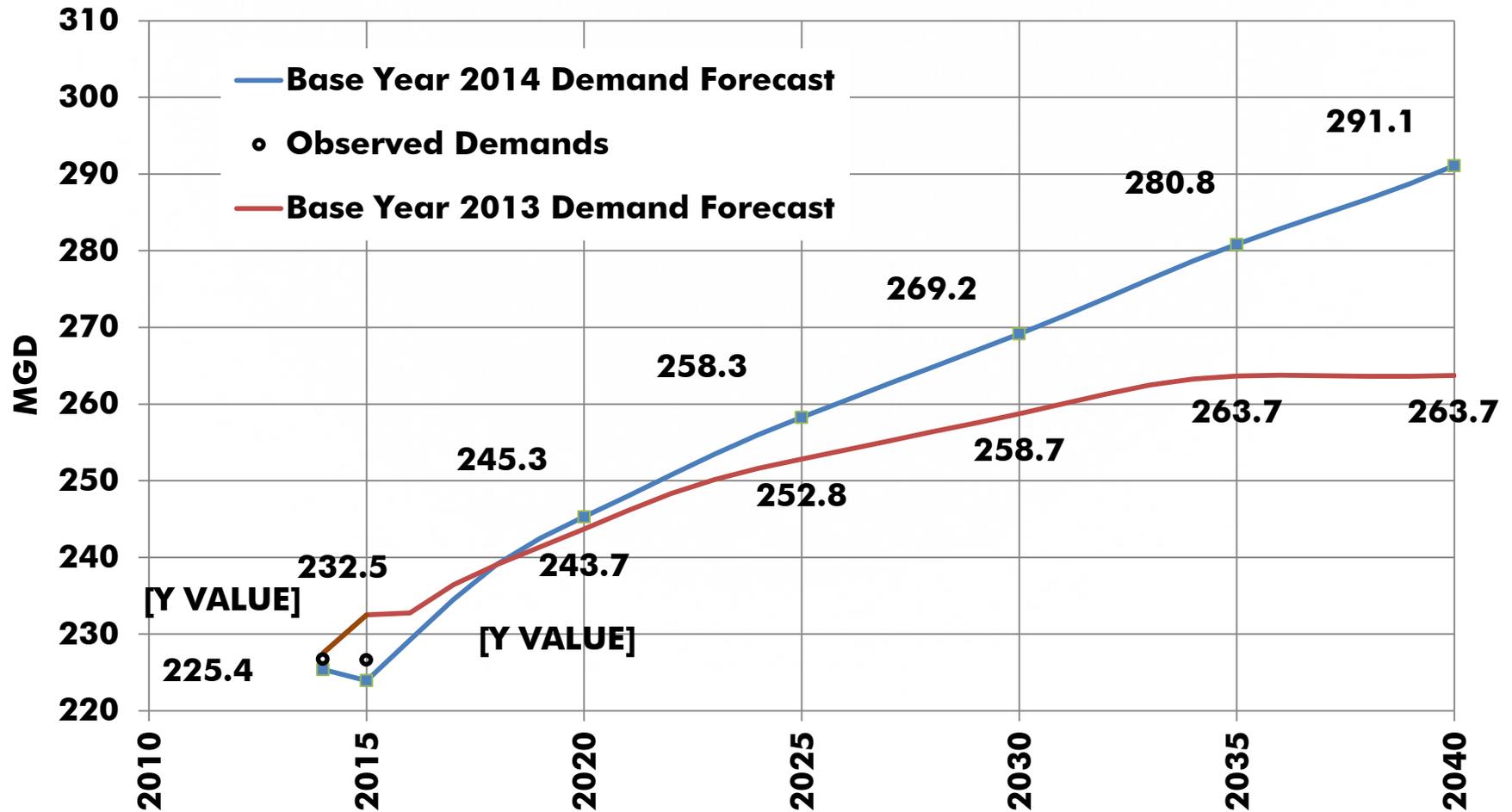
- **Seven Water Demand Planning Areas**
- **Models developed by use sector**
- **Annually update with economic growth projections**
- **Forecast Period to 2040**



# Regional Water Supplies and Regional Demand Projections



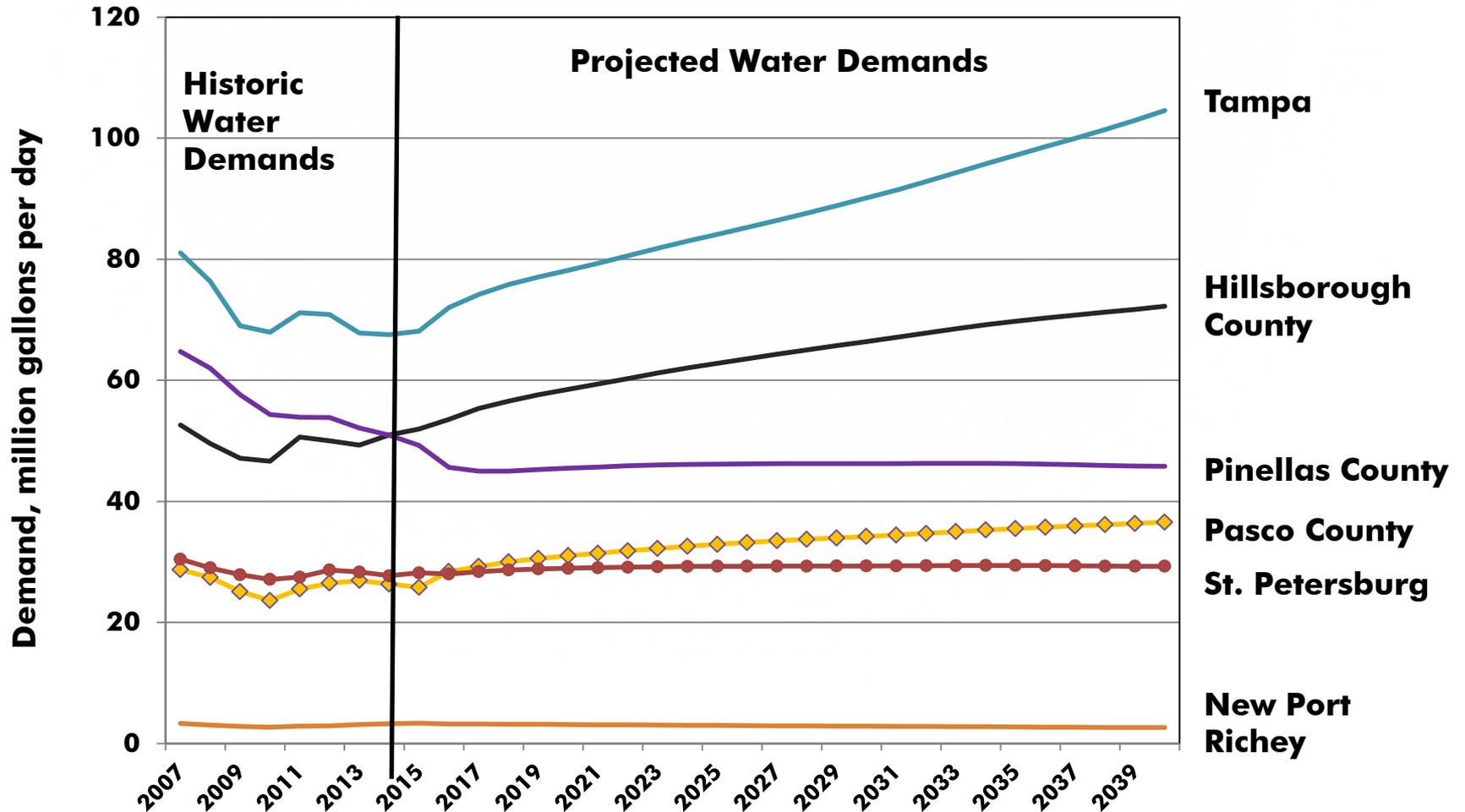
# Regional Demand Projections





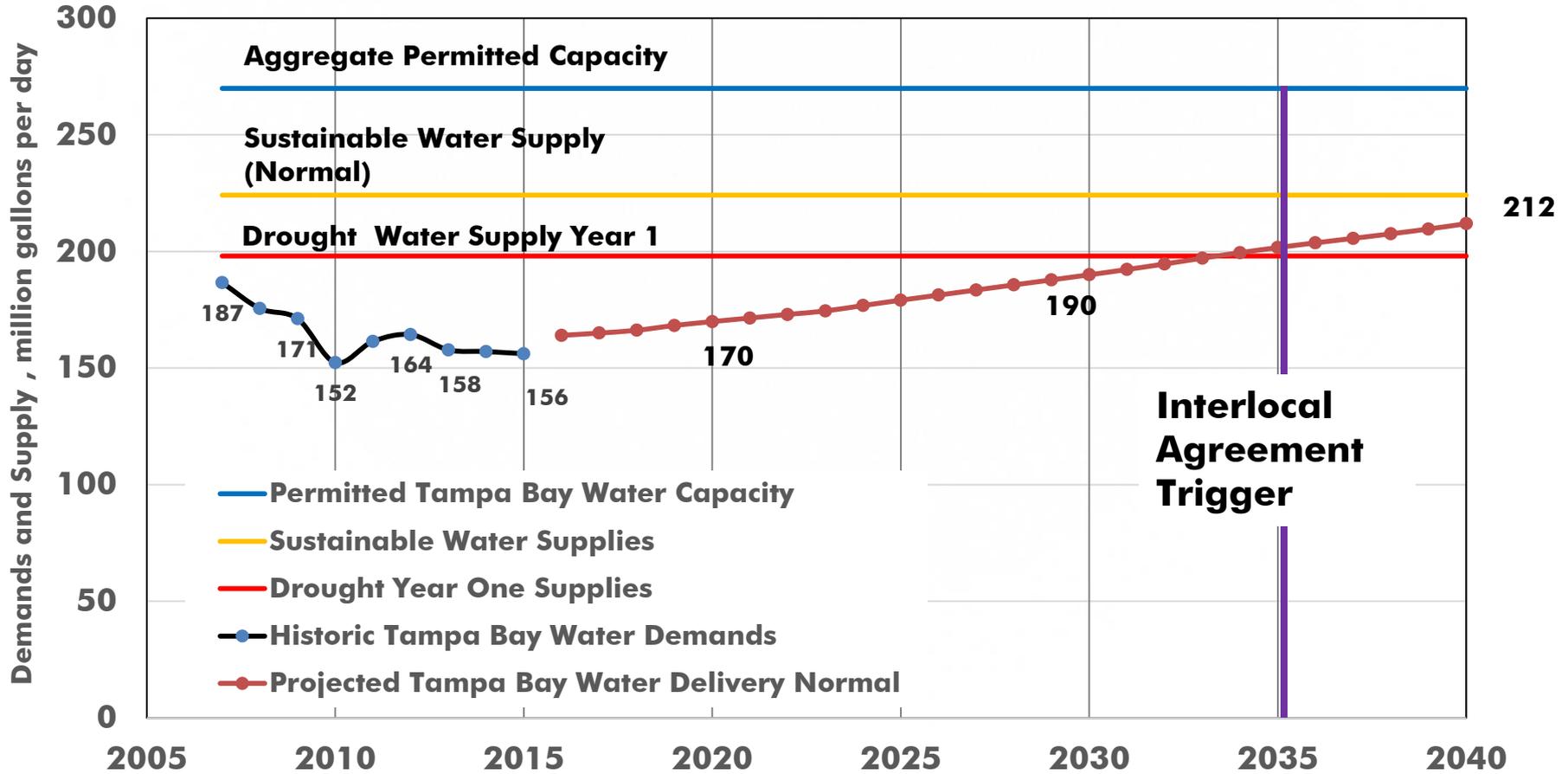
# Member Government Historic and Projected Water Demands

## Member Government Demands





# Tampa Bay Water Supplies Under Varying Conditions



# **Demand management update**

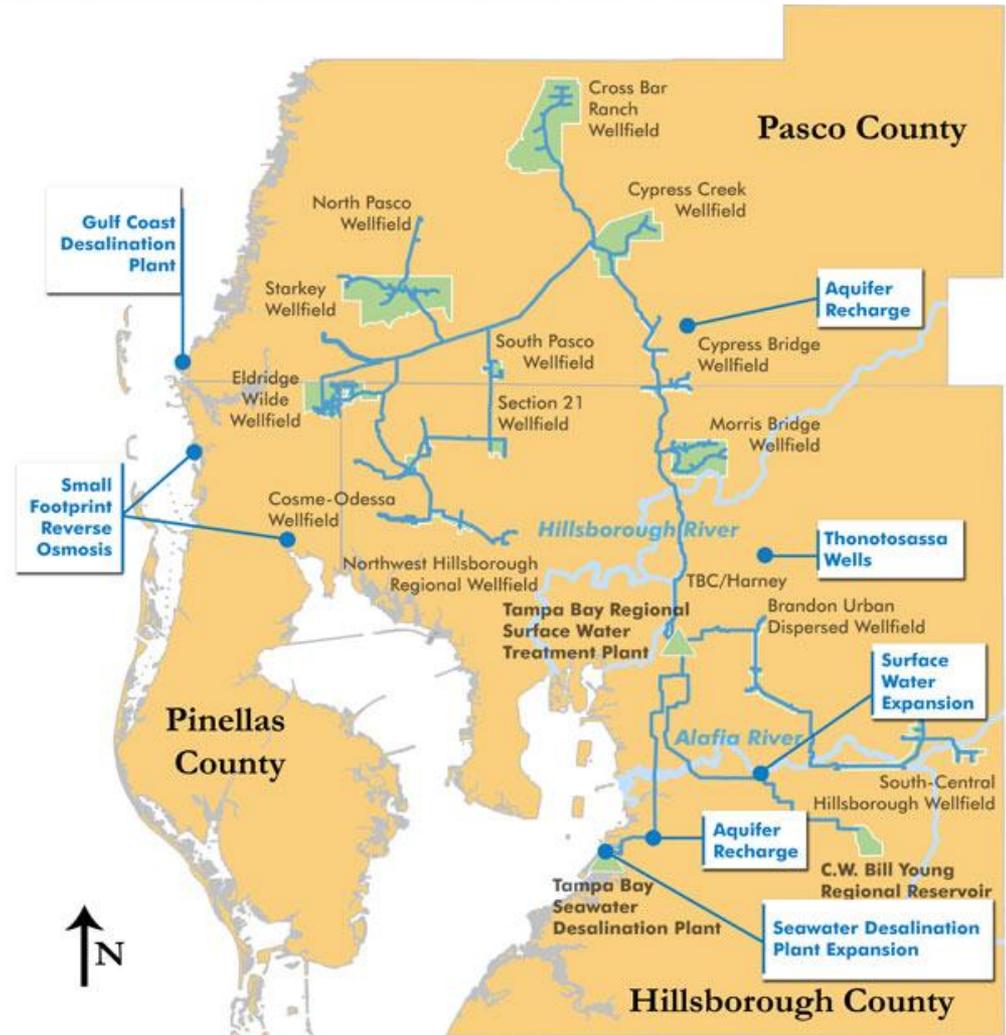
- **Reviewing best management practice data to ensure contains most appropriate default values (work begins in May)**
- **Will initiate analysis once data is entered into the LTDFS database (work begins in May/June)**
- **Working with the University of North Carolina's Environmental Finance Center to evaluate different types of implementation strategies.**
- **Efforts to be completed in 2017**

# **Water Shortage Mitigation Plan Update**

- **Initiated re-development of 2009 WSMP**
  - **Goal: slow demand supply needs by increasing ability to use additional GW during water shortage period**
- **Discussed at recent Member Government roundtable**
- **Forming technical team with MG representation**
- **Met with SWFWMD**
- **Work being completed in-house with anticipated completion by April 2017**

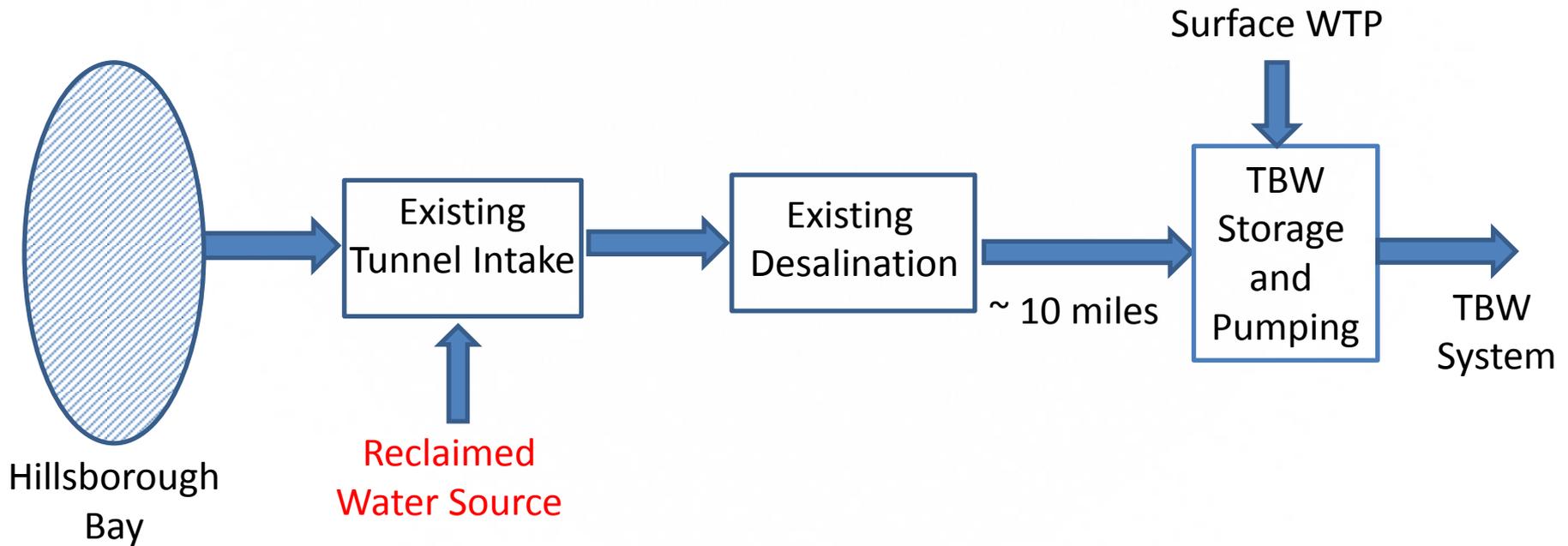
# Future Water Supply Options

- **Small Footprint Reverse Osmosis**
- **Seawater Desalination Expansion**
- **Gulf Coast Desalination**
- **Additional Groundwater From Existing Wellfields**
- **Thonotosassa Wells**
- **Surface Water Expansion**
- **Aquifer Recharge Project**
- **Potable Reuse**



# Questions

# Desalination Expansion – Reclaimed Water Blend Option 1



# Desalination Expansion – Reclaimed Water Blend Option 2

