



Highway Well Replacement



Kelley Boulevard Booster

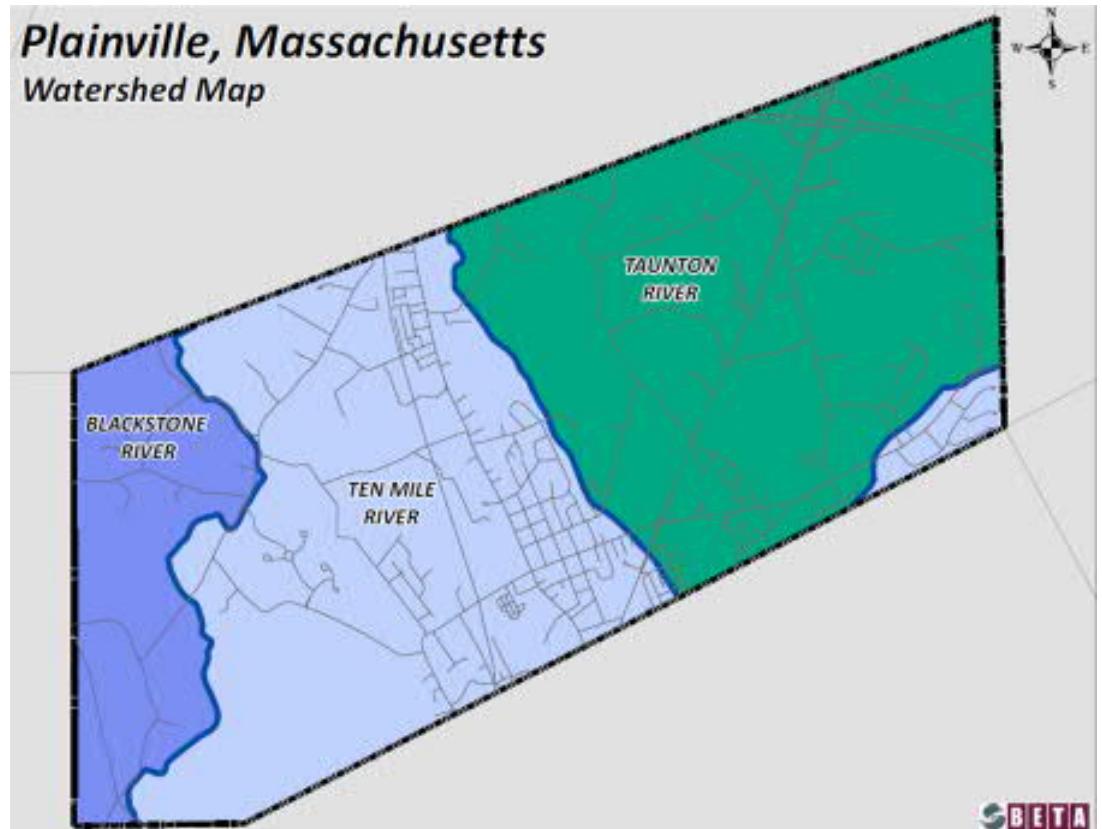


Turnpike Lake Area Well Exploration

Plainville BOS Water System Update

Supply

Plainville, Massachusetts
Watershed Map

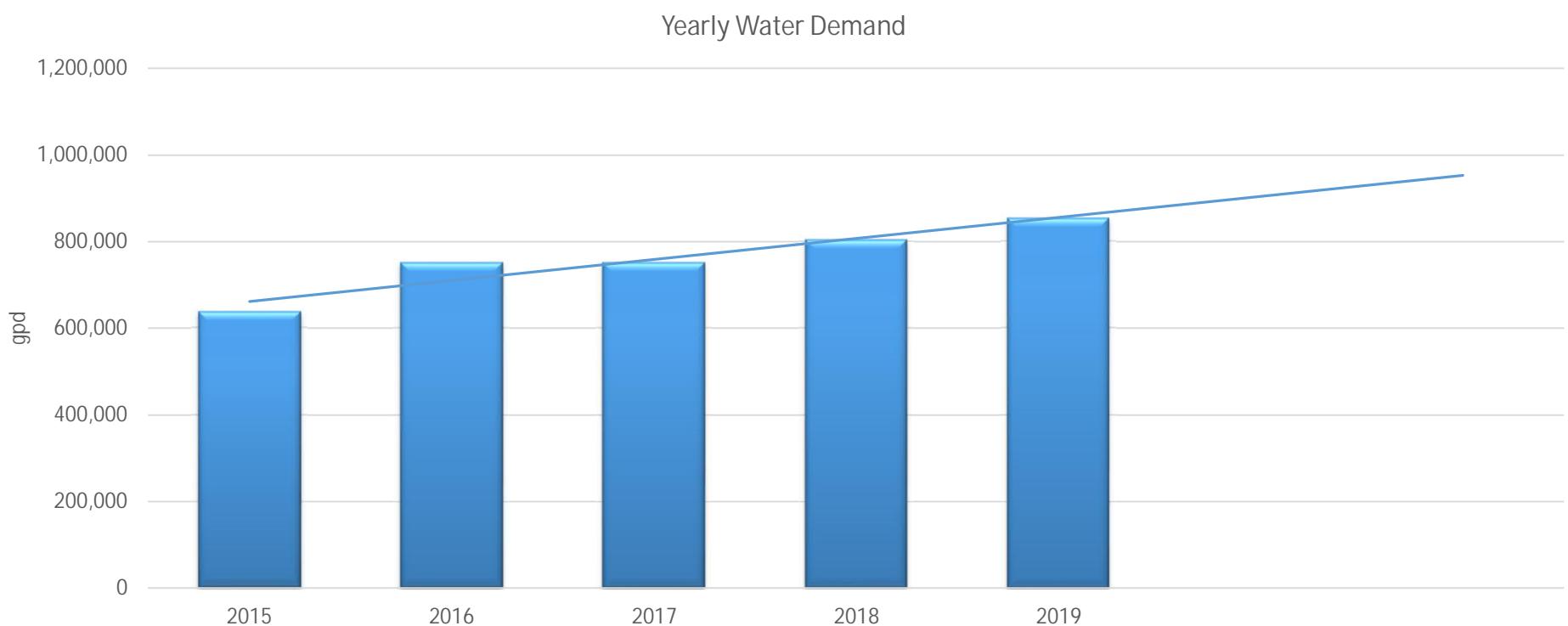


Demand History

- Demand since 2015 has risen sharply.
- Demand on Turnpike Lake source doubled between 2015 & 2019
- Capacity of the WTP has been exceeded steadily since 2016



Demand History

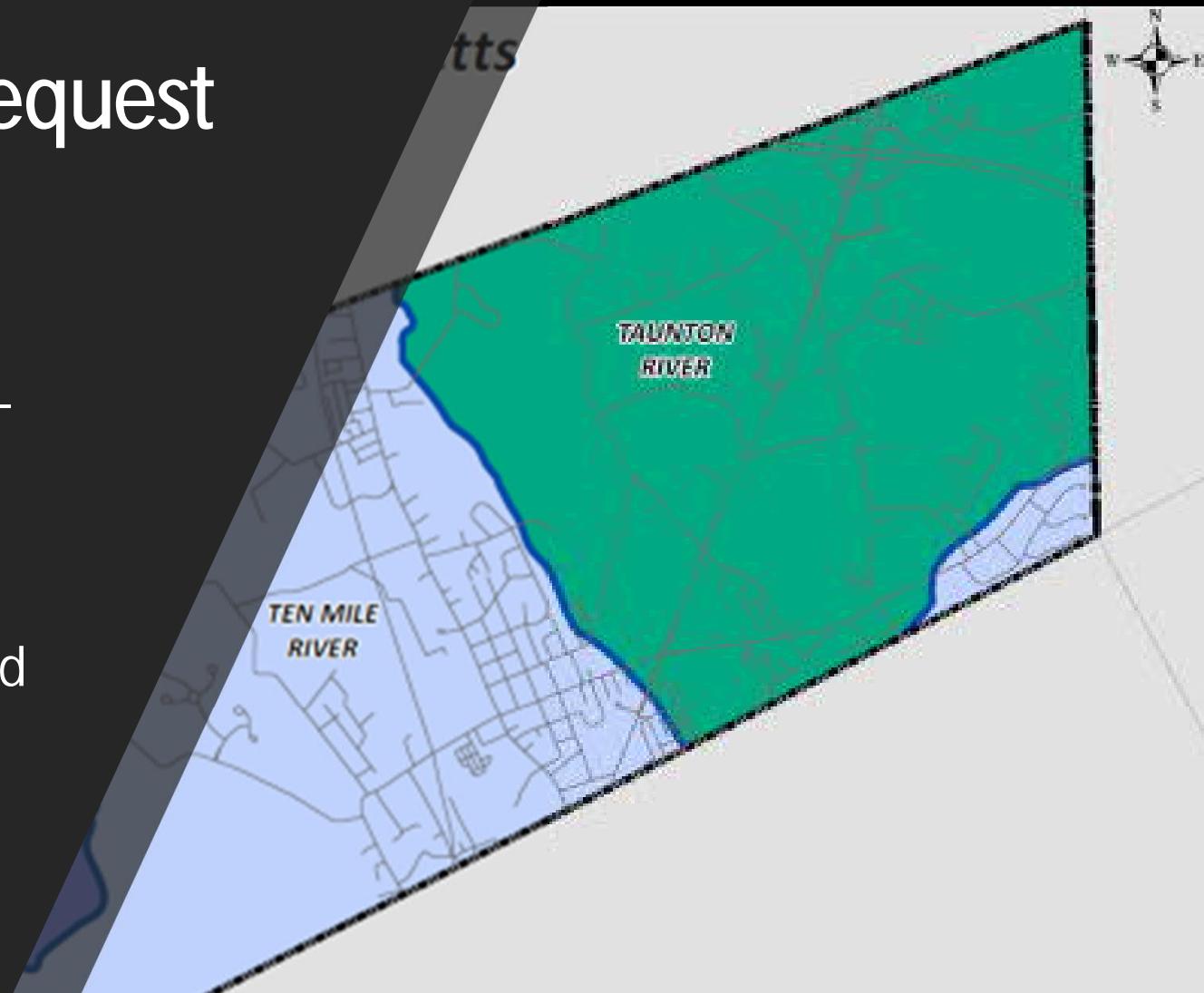


Need for Projects

- Current Demand exceeding available capacity
- Existing wells are not being regularly rested
- Additional supply from North Attleborough does not fix the supply
- Replacement of Highway well does not increase supply
- Finding and permitting a new supply can take 10 years
- New supplies are very expensive to find and develop (\$1m+ and 5+ years)

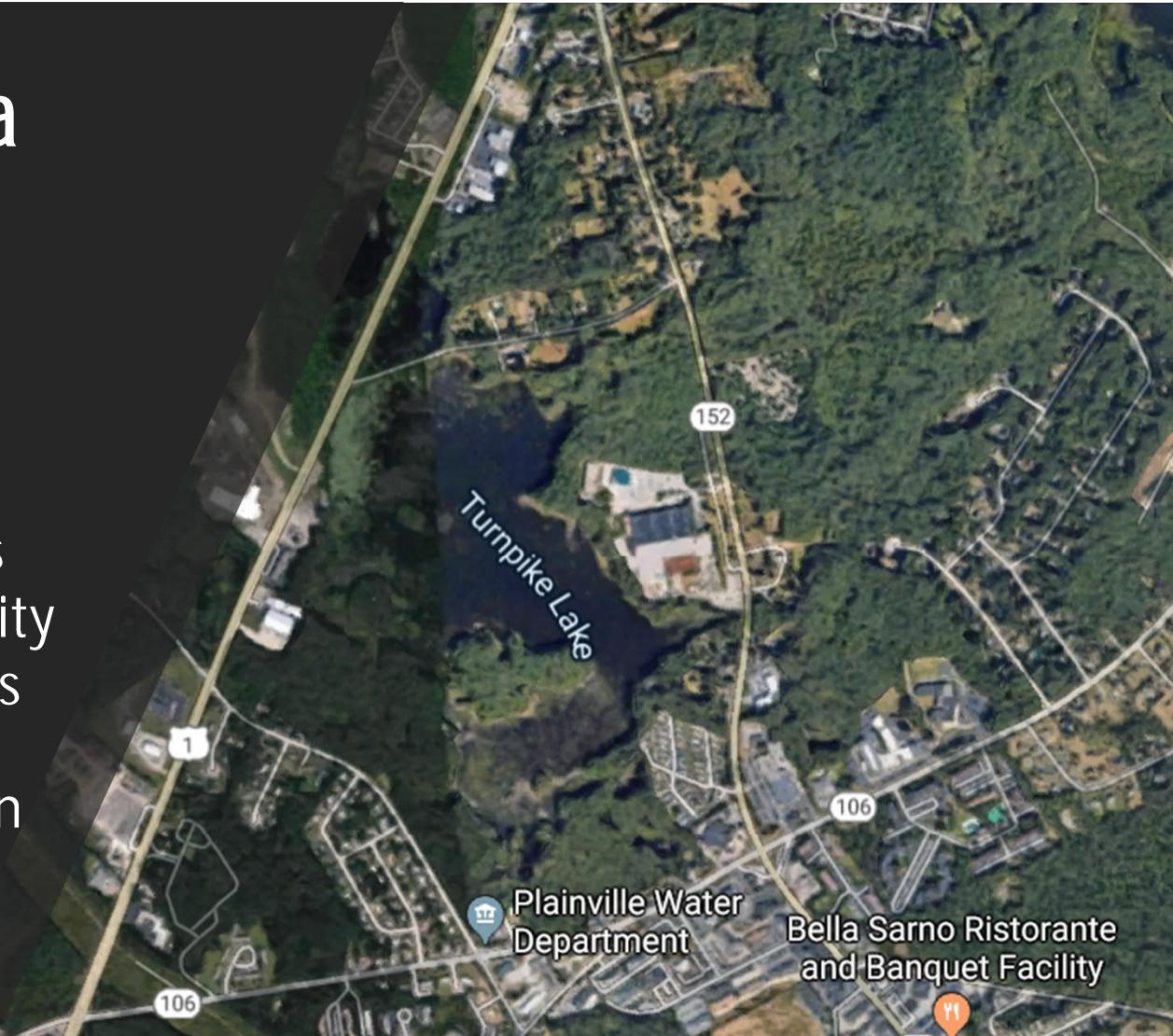
Renew WMA/Request Increase

- Both basins are up for renewal (Taunton now, 10-Mile in 1-2 years)
- Need to increase Taunton allocation
- 10-Mile will not be allowed to increase/may decrease



Turnpike Lake Area Well Exploration

- Identified location of potential water
- Securing DEP approvals
- Installed exploratory wells
- Test yields and water quality
- Advise what the next steps will include
- Identified a strong location for a future water supply well



Turnpike Lake Water Treatment Plant Upgrade

- Plant is over capacity
- Need additional capacity for existing demand and new well
- Need to add PFAS treatment ability
- Redundancy is needed



Questions?